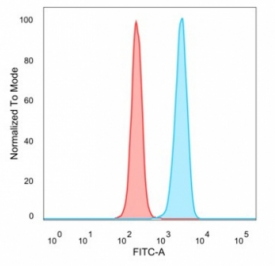
ZNF774 Antibody PCRP-ZNF774-3F7 / Zinc Finger Protein 774 Antibody [clone PCRP-ZNF774-3F7] (V4397)

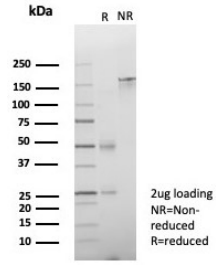
Catalog No.	Formulation	Size
V4397-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4397-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4397SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

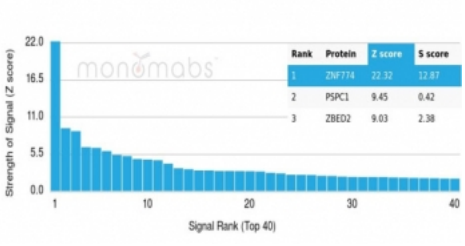
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	PCRP-ZNF774-3F7
Purity	Protein A/G affinity
UniProt	Q6NX45
Localization	Nucleus
Applications	ELISA (Order BSA-free format for coating) Flow cytometry: 0.5-2ug/million cells
Limitations	This ZNF774 Antibody PCRP-ZNF774-3F7 is available for research use only.



ZNF774 Antibody PCRP-ZNF774-3F7 Detection in HeLa Human Cervical Cancer Cells FACS. Flow cytometry analysis of PFA-fixed human HeLa cervical cancer cells using ZNF774 Antibody, clone PCRP-ZNF774-3F7, followed by goat anti-mouse IgG-CF488. The antibody-stained population (blue) shows a clear rightward fluorescence shift relative to unstained cells (red), demonstrating intracellular detection of Zinc Finger Protein 774 in human HeLa cells under the tested conditions.



Purified ZNF774 Antibody PCRP-ZNF774-3F7 SDS-PAGE. SDS-PAGE analysis of purified, BSA-free ZNF774 Antibody, clone PCRP-ZNF774-3F7, under non-reducing and reducing conditions. The intact antibody migrates predominantly near 150 kDa under non-reducing conditions, while reduction produces antibody heavy- and light-chain bands near 50 kDa and 25 kDa, respectively. The observed banding pattern supports the integrity and purity of the monoclonal Zinc Finger Protein 774 Antibody preparation.



Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZNF774 antibody (clone PCRP-ZNF774-3F7). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference ZNF774 Antibody PCRP-ZNF774-3F7 Protein Microarray Validated. Protein microarray analysis of ZNF774 Antibody, clone PCRP-ZNF774-3F7, using a HuProt array containing more than 19,000 full-length human proteins. The intended ZNF774 target produced the dominant signal, with a Z-score of 18.00 and an S-score of 13.84. The Z-score measures signal strength in standard deviations above the array mean, while the S-score measures the separation between the intended target and the next-highest protein signal. The high S-score provides proteome-scale evidence supporting the target selectivity of this Protein Microarray Validated antibody.

Description

ZNF774 Antibody PCRP-ZNF774-3F7 / Zinc Finger Protein 774 Antibody recognizes ZNF774, a member of the large zinc finger protein family. Zinc finger proteins contain specialized structural motifs capable of interacting with DNA, RNA, proteins, or other cellular molecules. ZNF774 is predicted to function as a DNA-binding transcription factor and is associated with sequence-specific DNA binding at RNA polymerase II cis-regulatory regions, suggesting a role in the control of gene expression.

ZNF774 is predicted to localize to the nucleus, consistent with its proposed activity in transcriptional regulation. Many zinc finger proteins participate in the organization and regulation of transcriptional programs by recognizing specific genomic sequences and recruiting additional regulatory proteins. Through these interactions, members of this protein family can influence cellular differentiation, proliferation, development, and responses to environmental or intracellular signals.

The precise biological functions and regulatory partners of ZNF774 remain comparatively less characterized than those of many extensively studied transcription factors. Its predicted sequence-specific DNA-binding activity and involvement in RNA polymerase II-mediated transcription nevertheless make ZNF774 relevant to investigations of transcriptional control, nuclear protein biology, and epigenetic regulation. Research reagents targeting less-characterized zinc finger proteins can help facilitate studies of their expression, localization, and potential roles within broader gene-regulatory networks.

Clone PCRP-ZNF774-3F7 is a mouse monoclonal antibody generated using recombinant full-length human ZNF774 protein as the immunogen. This ZNF774 Antibody is Protein Microarray Validated using a HuProt array containing more than 19,000 full-length human proteins, providing proteome-scale evidence supporting target selectivity. NSJ Bioreagents offers this Zinc Finger Protein 774 Antibody for researchers investigating ZNF774 expression, transcriptional regulation, and nuclear protein biology. A ZNF774 Antibody provides a clone-defined reagent for studying this comparatively undercharacterized member of the zinc finger protein family.

Explore our Epigenetics Antibodies page for additional reagents targeting proteins involved in transcriptional regulation, chromatin biology, and epigenetic control of gene expression.

Application Notes

Optimal dilution of the ZNF774 Antibody PCRP-ZNF774-3F7 / Zinc Finger Protein 774 Antibody should be determined by the researcher.

Immunogen

Recombinant full-length human ZNF774 protein was used as the immunogen for the ZNF774 Antibody PCRP-ZNF774-3F7.

Storage

Aliquot the ZNF774 Antibody PCRP-ZNF774-3F7 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

ZNF774 antibody, Zinc finger protein 774 antibody, Zinc finger protein 774 homolog antibody

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