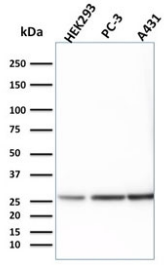
14-3-3 epsilon Antibody / YWHAE [clone CPTC-YWHAE-1] (V7362)

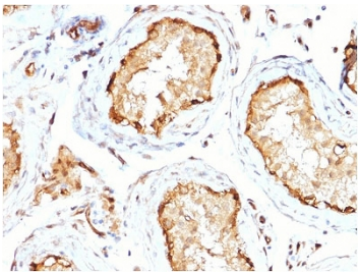
Catalog No.	Formulation	Size
V7362-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7362-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7362SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7362IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

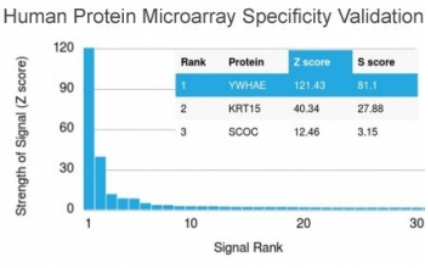
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CPTC-YWHAE-1
Purity	Protein G affinity chromatography
UniProt	P62258
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This 14-3-3 epsilon antibody is available for research use only.



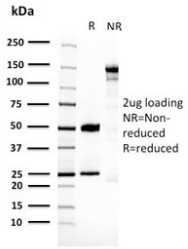
Western blot testing of human 1) HEK293, 2) PC-3 and 3) A431 lysate with 14-3-3 epsilon antibody. Predicted molecular weight ~28 kDa.



IHC staining of FFPE human testis with 14-3-3 epsilon antibody (clone CPTC-YWHAE-1). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using 14-3-3 epsilon antibody (clone CPTC-YWHAE-1). These results demonstrate the foremost specificity of the CPTC-YWHAE-1 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) 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 the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free 14-3-3 epsilon antibody (clone ACP5/2336R) as confirmation of integrity and purity.

Description

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathway. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. The YWHAE gene which encodes 14-3-3 epsilon has also been identified as a possible susceptibility gene for schizophrenia.

Application Notes

The stated application concentrations are suggested starting points. Titration of the 14-3-3 epsilon antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Full length recombinant human protein was used as the immunogen for the 14-3-3 epsilon antibody.

Storage

Store the 14-3-3 epsilon antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).