

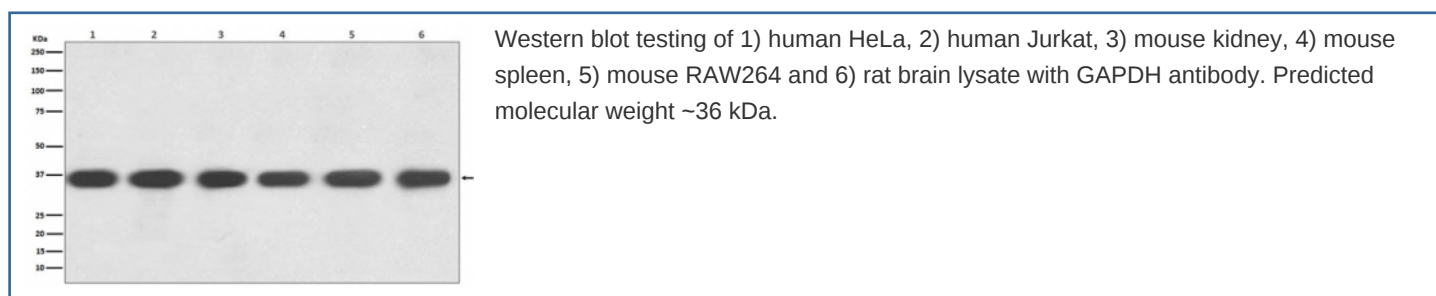
GAPDH Antibody [clone BH-7] (RQ5052)

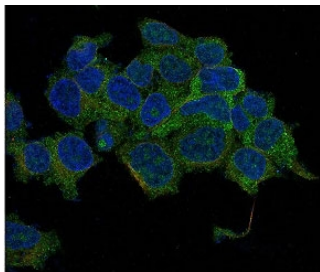
Catalog No.	Formulation	Size
RQ5052	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Recombinant **RABBIT MONOCLONAL**

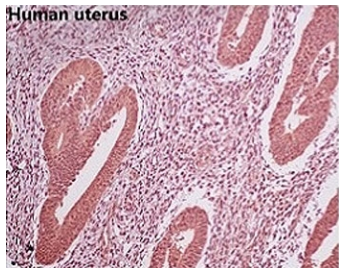
[Bulk quote request](#)

Availability	1-2 weeks
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	BH-7
Purity	Affinity purified
UniProt	P04406
Applications	Western Blot : 1:3000-1:10000 Immunohistochemistry (FFPE) : 1:100-1:500 Immunofluorescence/Immunocytochemistry : 1:100-1:250
Limitations	This GAPDH antibody is available for research use only.

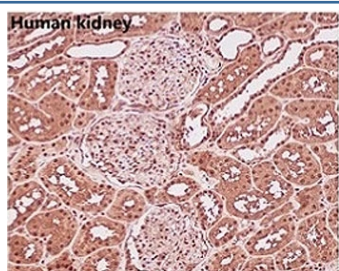




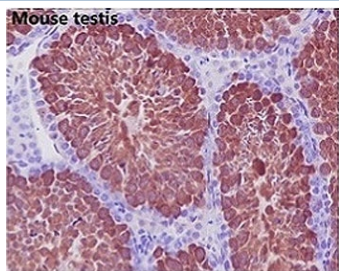
IF/ICC staining of human HeLa cells with GAPDH antibody (green) and DAPI nuclear stain (blue).



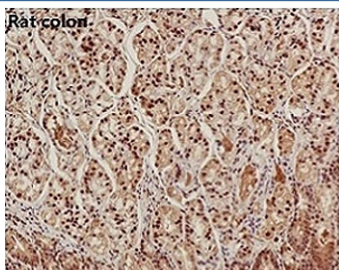
IHC staining of FFPE human uterus with GAPDH antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE human kidney with GAPDH antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE mouse testis with GAPDH antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE rat colon with GAPDH antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

GAPDH antibody is a fundamental reagent for experimental controls in molecular biology and protein quantification. Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is expressed consistently across tissues and conditions, making it a gold standard housekeeping protein. Its abundance and stability make GAPDH ideal for normalizing protein levels in western blotting, immunohistochemistry, and quantitative assays.

Researchers routinely use GAPDH antibody as a reference to confirm equal loading in gels and blots. By comparing the signal of target proteins to GAPDH, variations due to experimental handling or sample preparation can be minimized. This ensures accurate interpretation of experimental outcomes and reproducibility of data.

Although commonly regarded as a metabolic enzyme, GAPDH participates in many non glycolytic processes. It regulates transcription, vesicle trafficking, and apoptosis, meaning its expression can vary under certain stress conditions. Antibody based detection allows researchers to monitor GAPDH under different stimuli, ensuring that it is appropriately used as a control.

At the structural level, GAPDH forms a stable tetramer with conserved enzymatic domains. Its evolutionary conservation allows GAPDH antibody detection across human, mouse, and other model organisms. This broad applicability further enhances its value as a control protein in experimental biology.

The GAPDH antibody is used in immunohistochemistry, immunofluorescence, ELISA, and western blotting for normalization and protein detection. For researchers across molecular and cellular biology, the GAPDH antibody is an indispensable reagent. NSJ Bioreagents provides validated antibodies that deliver reproducibility and precision in experimental systems.

Application Notes

Optimal dilution of the GAPDH antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human GAPDH was used as the immunogen for the GAPDH antibody.

Storage

Store the GAPDH antibody at -20oC.