

Anti-14-3-3 alpha+beta Antibody

0407-5



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IF-Cell, IHC-P
Molecular Wt:	Predicted band size: 28 kDa

Description: The 14-3-3 proteins are a family of proteins involved in the regulation of apoptosis, mitogenic signaling and cell-cycle checkpoints. The 14-3-3 proteins are thought to be key regulators of signal transduction events mediated through their binding to serine-phosphorylated proteins. Through binding Bad, 14-3-3 prevents apoptosis by sequestering Bad to the cytosol. The 14-3-3 proteins are also Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathway. They bind 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.

Immunogen: Synthetic peptide within mouse 14-3-3 beta / alpha aa 197-246 / 246.

Positive control: Hela cell lysate, human brain tissue lysate, mouse brain tissue lysate, N2A.

Subcellular location: Cytoplasm, Melanosome.

Database links: SwissProt: P31946 Human | Q9CQV8 Mouse

Recommended Dilutions:

WB	1:5,000
IF-Cell	1:200

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

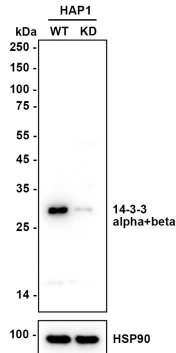
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Images

Fig1: Western blot analysis of 14-3-3 alpha+beta on different lysates with Rabbit anti-14-3-3 alpha+beta antibody (0407-5) at 1/1,000 dilution.

Lane 1: HAP1-parental cell lysate

Lane 2: HAP1-14-3-3 alpha+beta KD cell lysate



Lysates/proteins at 10 µg/Lane.

Predicted band size: 28 kDa

Observed band size: 28 kDa

Exposure time: 20 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (0407-5) at 1/1,000 dilution was used in primary antibody dilution (K1803) at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

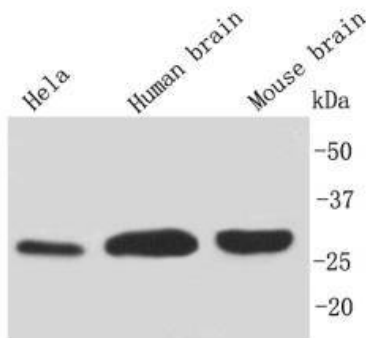


Fig2: Western blot analysis on different cell and tissue using anti-14-3-3 b/a polyclonal antibody.

Lane 1: HeLa cell lysate

Lane 2: Human brain tissue lysate

Lane 3: Mouse brain tissue lysate

Predicted band size: 28 kDa

Observed band size: 28 kDa

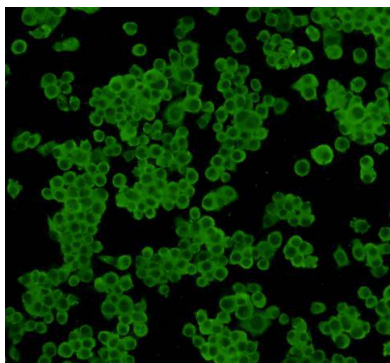


Fig3: ICC staining 14-3-3 b/a in N2A cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

3. Fu, H., et al. 14-3-3 proteins: structure, function, and regulation. *Ann. Rev. Pharmacol. Toxicol.* 40: 617–47 (2000).