

Datasheet for ABIN7602561
anti-DDX5 antibody (AA 85-328)



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Overview

Quantity:	100 µg
Target:	DDX5
Binding Specificity:	AA 85-328
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DDX5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Anti-DDX5 Antibody Picoband® (monoclonal, 3F9)
Immunogen:	E.coli-derived human DDX5 recombinant protein (Position: R85-K328).
Clone:	3F9
Isotype:	IgG2b
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-DDX5 Antibody Picoband® (monoclonal, 3F9) (ABIN7602561). Tested in Flow Cytometry, IF, IHC, IHC-F, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-

Product Details

performing antibodies are designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: DDX5

Alternative Name: DDX5 ([DDX5 Products](#))

Background: Synonyms: Probable ATP-dependent RNA helicase DDX5, DEAD box protein 5, RNA helicase p68, DDX5, G17P1, HELR, HLR1

Background: DDX5 (DEAD/H BOX 5), also known as HLR1 or G17P1, is an enzyme that in humans is encoded by the DDX5 gene. The p68 protein is a proliferation-associated nuclear antigen first identified through its highly specific cross-reaction with the simian virus 40 tumor antigen (Iggo et al., 1989). Subsequently, homology to eukaryotic translation initiation factor was found, and amino acid sequence blocks characteristic of a large superfamily of proteins with putative helicase activity were demonstrated. Brody et al. (1995) confirmed that this gene is located on chromosome 17 in the region of the BRCA1 gene at 17q21. By immunoprecipitation analysis, Caretti et al. (2006) found that p68, p72 (DDX17), and the noncoding RNA SRA (SRA1) associated with MYOD (MYOD1) in MYOD-transfected HeLa cells.

Molecular Weight: 71 kDa

Gene ID: 1655

UniProt: [P17844](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Nuclear Hormone Receptor Binding](#), [Regulation of Muscle Cell Differentiation](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat
Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat
Immunohistochemistry (Frozen Section), 0.5-1 µg/mL, Human
Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human
Immunofluorescence, 2 µg/mL, Human, Mouse
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
1. Brody, L. C., Abel, K. J., Castilla, L. H., Couch, F. J., McKinley, D. R., Yin, G.-Y., Ho, P. P.,

Application Details

Merajver, S., Chandrasekharappa, S. C., Xu, J., Cole, J. L., Struewing, J. P., Valdes, J. M., Collins, F. S., Weber, B. L. Construction of a transcription map surrounding the BRCA1 locus of human chromosome 17. *Genomics* 25: 238-247, 1995. 2. Caretti, G., Schiltz, R. L., Dilworth, F. J., Di Padova, M., Zhao, P., Ogryzko, V., Fuller-Pace, F. V., Hoffman, E. P., Tapscott, S. J., Sartorelli, V. The RNA helicases p68/p72 and the noncoding RNA SRA are coregulators of MyoD and skeletal muscle differentiation. *Dev. Cell* 11: 547-560, 2006. 3. Iggo, R., Gough, A., Xu, W., Lane, D. P., Spurr, N. K. Chromosome mapping of the human gene encoding the 68- kDa nuclear antigen (p68) by using the polymerase chain reaction. *Proc. Nat. Acad. Sci.* 86: 6211-6214, 1989.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg NaN₃.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.