

Rabbit anti-Human, Mouse BRD3 Polyclonal Antibody | anti-BRD3 antibody

BRD3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322487	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

BRD3; Polyclonal Antibody; BRD3 Antibody; BRD 3; Brd3; BRD3_HUMAN; Bromodomain containing 3; Bromodomain containing protein 3; Bromodomain-containing protein 3; KIAA0043; Open reading frame X; ORFX; RING3 like gene; RING3-like protein; RING3L; anti-BRD3 antibody

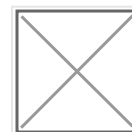
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	BRD3 antibody detects endogenous levels of total BRD3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	726
Applicable Applications for anti-BRD3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BRD3
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (91%), Bovine (91%), Horse (82%), Rabbit (91%), Dog (91%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from 293, using BRD3 Antibody. Lane 1 was treated with the blocking peptide.


WB (Western Blot)

Western blot analysis of BRD3 using A549 whole cell lysates



IF (Immunofluorescence)

AAA322487 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA322487 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-BRD3 antibody

Function: Chromatin reader that recognizes and binds hyperacetylated chromatin and plays a role in the regulation of transcription, probably by chromatin remodeling and interaction with transcription factors (PubMed:18406326, PubMed:27105114). Regulates transcription by promoting the binding of the transcription factor GATA1 to its targets (By similarity).

Subunit Structure: Interacts (via bromo domain 1) with GATA1 acetylated at 'Lys-312' and 'Lys-315'. Interacts (via bromo domain 1) with GATA2 acetylated on lysine residues (By similarity). Interacts (via bromo domains) with acetylated lysine residues on the N-terminus of histone H2A, H2B, H3 and H4 (in vitro).

Similarity: The Bromo domains specifically recognize and bind acetylated histones.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11067749
NCBI GeneID	8019
NCBI Accession #	NP_031397.1
NCBI GenBank Nucleotide #	NM_007371.3
UniProt Accession #	Q15059 ; Q4G5Y3 ; Q5T1R7 ; Q8N5M3 ; Q92645 ; B1APD9
Molecular Weight	Observed: 90 kDa Predicted: 80 kDa
NCBI Official Full Name	bromodomain-containing protein 3
NCBI Official Synonym Full Names	bromodomain containing 3
NCBI Official Symbol	BRD3
NCBI Official Synonym Symbols	ORFX; RING3L
NCBI Protein Information	bromodomain-containing protein 3
UniProt Protein Name	Bromodomain-containing protein 3
UniProt Gene Name	BRD3
UniProt Synonym Gene Names	KIAA0043; RING3L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/brd3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322487>