

Rabbit Reptin/TIP49B/RUVB2 Polyclonal Antibody | anti-RUVBL2 antibody

Reptin/TIP49B/RUVB2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288218	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Xenopus)	ELISA, Western Blot

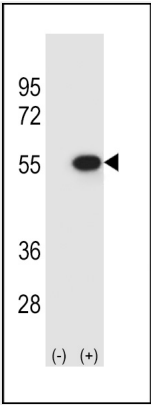
PRODUCT SYNONYMS

Reptin/TIP49B/RUVB2; Polyclonal Antibody; Reptin/TIP49B/RUVB2 Antibody (C-term); RuvB-like 2; 48 kDa TATA box-binding protein-interacting protein; 48 kDa TBP-interacting protein; 51 kDa erythrocyte cytosolic protein; ECP-51; INO80 complex subunit J; Repressing pontin 52; Reptin 52; TIP49b; TIP60-associated protein 54-beta; TAP54-beta; RUVBL2; INO80J; TIP48; TIP49B; anti-RUVBL2 antibody

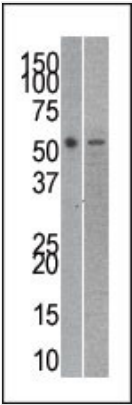
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Reptin/TIP49B/RUVB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-430 amino acids from the C-terminal region of human Reptin/TIP49B/RUVB2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	400-430
Sequence Length	463
Applicable Applications for anti-RUVBL2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Function	Possesses single-stranded DNA-stimulated ATPase and ATP- dependent DNA helicase (5' to 3') activity; hexamerization is thought to be critical for ATP hydrolysis and adjacent subunits in the ring-like structure contribute to the ATPase activity. Proposed core component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. Involved in the endoplasmic reticulum (ER)-associated degradation (ERAD) pathway where it negatively regulates expression of ER stress response genes.
Cellular Location	Nucleus matrix. Nucleus, nucleoplasm. Cytoplasm. Membrane. Note=Mainly localized in the nucleus, associated with nuclear matrix or in the nuclear cytosol. Although it is also present in the cytoplasm and associated with the cell membranes
Tissue Location	Ubiquitously expressed. Highly expressed in testis and thymus.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of RUVBL2 (arrow) using rabbit polyclonal RUVBL2 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the RUVBL2 gene.



WB (Western Blot)
The anti-RUVBL21 Pab is used in Western blot to detect RUVBL2 in mouse kidney (left) and SK-Br-3 (right) tissue/cell line lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-RUVBL2 antibody	This gene encodes the second human homologue of the bacterial RuvB gene. Bacterial RuvB protein is a DNA helicase essential for homologous recombination and DNA double-strand break repair. Functional analysis showed that this gene product has both ATPase and DNA helicase activities. This gene is physically linked to the CGB/LHB gene cluster on chromosome 19q13.3, and is very close (55 nt) to the LHB gene, in the opposite orientation.
References	Bauer, A., et al., EMBO J. 19(22):6121-6130 (2000). Parfait, B., et al., Ann. Genet. 43(2):69-74 (2000). Wood, M.A., et al., Mol. Cell 5(2):321-330 (2000). Salzer, U., et al., Biochim. Biophys. Acta 1446(3):365-370 (1999). Kanemaki, M., et al., J. Biol. Chem. 274(32):22437-22444 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5730023
NCBI GeneID	10856
NCBI Accession #	NP_006657.1
NCBI GenBank Nucleotide #	NM_006666.1
UniProt Accession #	Q9Y230; Q6FIB9; Q6PK27; Q9Y361; B3KQ59; E7ETE5
Molecular Weight	51157
NCBI Official Full Name	ruvB-like 2
NCBI Official Synonym Full Names	RuvB-like AAA ATPase 2
NCBI Official Symbol	RUVBL2
NCBI Official Synonym Symbols	RVB2; TIH2; ECP51; TIP48; CGI-46; INO80J; REPTIN; TIP49B
NCBI Protein Information	ruvB-like 2
UniProt Protein Name	RuvB-like 2
UniProt Gene Name	RUVBL2
UniProt Synonym Gene Names	INO80J; TIP48; TIP49B; 48 kDa TBP-interacting protein; ECP-51; Reptin 52; TAP54-beta
UniProt Entry Name	RVB2_HUMAN

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/reptin-tip49b-ruvb2-antibody-western-blot-elisa/288218>