

Datasheet for ABIN2780873
anti-HBP1 antibody (Middle Region)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	HBP1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HBP1
Sequence:	SVILGDRWKK MKNEERRMYT LEAKALAEQ KRLNPDCWKR KRTNSGSQQH
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against HBP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	HBP1
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Target Details

Alternative Name:	HBP1 (HBP1 Products)
Background:	<p>HBP1 is a transcriptional repressor that binds to the promoter region of target genes. This protein plays a role in the regulation of the cell cycle and of the Wnt pathway. It binds preferentially to the sequence 5'-TTCATTTCATTCA-3'. Binding to the H1F0 promoter, HBP1 is enhanced by interaction with RB1. The protein also can disrupt the interaction between DNA and TCF4.</p> <p>Alias Symbols: FLJ16340</p> <p>Protein Interaction Partner: FBXW11, UBC, TMEM37, SMAD1, ZNF212, KIAA1279, EWSR1, CD2AP, EP300, CREBBP, MYC, ANKRD2, SIN3A, SAP30, TCF4, HDAC1, RBL2, RB1,</p> <p>Protein Size: 514</p>
Molecular Weight:	58 kDa
Gene ID:	26959
NCBI Accession:	NM_012257 , NP_036389
UniProt:	O60381

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 514 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Halwachs, Lakoma, Schäfer, Seibel, Honscha: "The antiepileptic drugs phenobarbital and carbamazepine reduce transport of methotrexate in rat choroid plexus by down-regulation of the reduced folate carrier." in: **Molecular pharmacology**, Vol. 80, Issue 4, pp. 621-9, (2011) ([PubMed](#)).

Marchi, Paoluzzi, Scotto, Seshan, Zain, Zinzani, OConnor: "Pralatrexate is synergistic with the proteasome inhibitor bortezomib in in vitro and in vivo models of T-cell lymphoid malignancies." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 16, Issue 14, pp. 3648-58, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-HBP1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: HeLa cell lysate HBP1 is supported by BioGPS gene expression data to be expressed in HeLa