

Rabbit AIBP Polyclonal Antibody | anti-AIBP antibody

AIBP Antibody

CATALOG # AAA324459	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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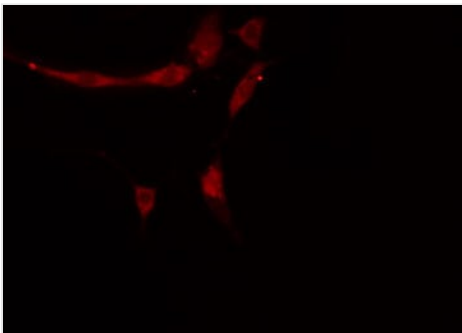
PRODUCT SYNONYMS

AIBP; Polyclonal Antibody; AIBP Antibody; AI BP; ApoA I binding protein; Apolipoprotein A I binding protein; MGC119143; MGC119144; MGC119145; NAD(P)H hydrate epimerase; NAD(P)HX epimerase; YjeF N terminal domain containing protein 1; yjeF_N1; YJEFN1; anti-AIBP antibody

PRODUCT SPECIFICATIONS

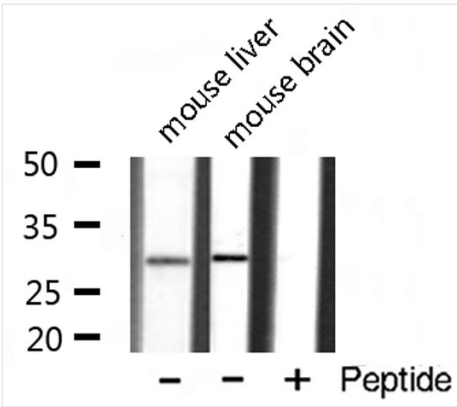
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AIBP antibody detects endogenous levels of total AIBP
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	288
Applicable Applications for anti-AIBP antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion. Secreted. Note: In sperm, secretion gradually increases during capacitation
Tissue Specificity	Ubiquitously expressed, with highest levels in kidney, heart and liver. Present in cerebrospinal fluid and urine but not in serum from healthy patients. Present in serum of sepsis patients (at protein level).
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Xenopus (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



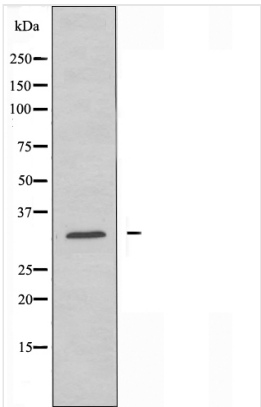
IF (Immunofluorescence)

AAA324459 staining HeLa cells 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) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts of various tissue, using AIBP antibody



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using AIBP antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AIBP antibody	Function: Catalyzes the epimerization of the S- and R-forms of NAD(P)HX, a damaged form of NAD(P)H that is a result of enzymatic or heat-dependent hydration. This is a prerequisite for the S-specific NAD(P)H-hydrate dehydratase to allow the repair of both epimers of NAD(P)HX. Subunit Structure: Homodimer (By similarity). Interacts with APOA1 and APOA2. Post-translational Modifications: Undergoes physiological phosphorylation during sperm capacitation, downstream to PKA activation. Similarity: Belongs to the NnrE/AIBP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	91984773
NCBI GeneID	128240
NCBI Accession #	NP_658985.2
NCBI GenBank Nucleotide #	NM_144772.2
UniProt Accession #	Q8NCW5; Q496C6; Q5T3I2; B4DGY3
Molecular Weight	Observed: 30 kD Predicted: 32 kDa
NCBI Official Full Name	NAD(P)H-hydrate epimerase

NCBI Official Synonym Full Names	NAD(P)HX epimerase
NCBI Official Symbol	NAXE
NCBI Official Synonym Symbols	AIBP; PEBEL; YJEFN1; APOA1BP
NCBI Protein Information	NAD(P)H-hydrate epimerase
UniProt Protein Name	NAD(P)H-hydrate epimerase
UniProt Gene Name	NAXE
UniProt Synonym Gene Names	AIBPUniRule annotationManual assertion according to rulesiHAMAP-Rule:MF_03159; APOA1BP; YJEFN1; YjeF_N1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aibp-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324459>