

AI-BP Polyclonal Antibody
Catalog # AP68330**Specification**

AI-BP Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q8NCW5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

AI-BP Polyclonal Antibody - Additional Information**Gene ID** 128240**Other Names**

APOA1BP; AIBP; YJEFN1; NAD(P)H-hydrate epimerase; Apolipoprotein A-I-binding protein; AI-BP; NAD(P)HX epimerase; YjeF N-terminal domain-containing protein 1; YjeF_N1

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

AI-BP Polyclonal Antibody - Protein Information**Name** NAXE ([HGNC:18453](#))**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 (By similarity) (PubMed:27616477). This is a prerequisite for the S-specific NAD(P)H-hydrate dehydratase to allow the repair of both epimers of NAD(P)HX (By similarity). Accelerates cholesterol efflux from endothelial cells to high-density lipoprotein (HDL) and thereby regulates angiogenesis (PubMed:23719382).

Cellular Location

Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03159}. Secreted {ECO:0000255|HAMAP-Rule:MF_03159, ECO:0000269|PubMed:11991719}. Note=In sperm, secretion gradually increases during capacitation. {ECO:0000255|HAMAP-Rule:MF_03159}

Tissue Location

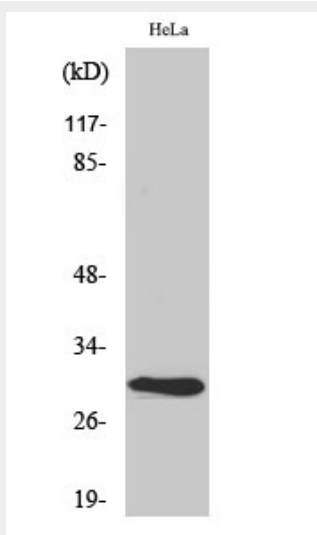
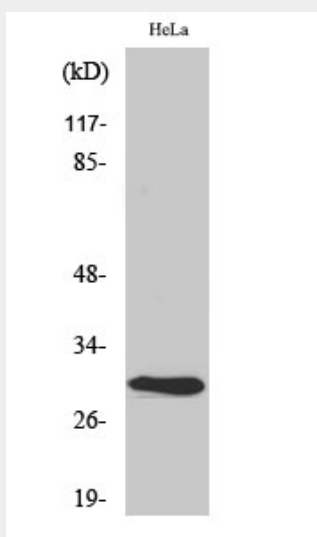
Ubiquitously expressed, with highest levels in kidney, heart and liver. Present in cerebrospinal fluid and urine but not in serum from healthy patients. Present in serum of sepsis patients (at protein level).

AI-BP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AI-BP Polyclonal Antibody - Images



AI-BP Polyclonal Antibody - Background

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.