10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-HAX1 (RABBIT) Antibody
HAX1 Antibody
Catalog # ASR5713

Specification

Anti-HAX1 (RABBIT) Antibody - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Rat, Human, Mouse, Chicken**
Clonality	**Polyclonal**
Application	**WB, E, I, LCI**
Application Note	**Anti-HAX1 antibody is useful for ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~35kDa corresponding to the appropriate cell lysate or extract.**
Physical State	**Liquid (sterile filtered)**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Anti-HAX1 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region (aa115-150) of human HAX1 protein.**
Stabilizer	**30% Glycerol**

Anti-HAX1 (RABBIT) Antibody - Additional Information

Gene ID 10456

Other Names
10456

Purity
Anti-HAX1 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human, rat, and mouse based on 100% sequence homology. Cross-reactivity with HAX1 from other sources has not been determined.

Storage Condition
Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-HAX1 (RABBIT) Antibody - Protein Information

Name HAX1

Synonyms HS1BP1

Function
Recruits the Arp2/3 complex to the cell cortex and regulates reorganization of the cortical actin cytoskeleton via its interaction with KCNC3 and the Arp2/3 complex (PubMed:26997484). Slows down the rate of inactivation of KCNC3 channels (PubMed:26997484). Promotes GNA13-mediated cell migration. Involved in the clathrin-mediated endocytosis pathway. May be involved in internalization of ABC transporters such as ABCB11. May inhibit CASP9 and CASP3. Promotes cell survival. May regulate intracellular calcium pools.

Cellular Location
Mitochondrion matrix. Endoplasmic reticulum Nucleus membrane. Cytoplasmic vesicle {ECO:0000250|UniProtKB:O35387}. Cytoplasm, cell cortex. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Sarcoplasmic reticulum {ECO:0000250|UniProtKB:Q7TSE9}. Cytoplasm, P-body [Isoform 3]: Cytoplasm. Nucleus Note=Predominantly cytoplasmic. Also detected in the nucleus when nuclear export is inhibited (in vitro). [Isoform 5]: Cytoplasm. Note=Predominantly cytoplasmic

Tissue Location
Ubiquitous. Up-regulated in oral cancers.

Anti-HAX1 (RABBIT) 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 Cytomety
- Cell Culture

Anti-HAX1 (RABBIT) Antibody - Images

Anti-HAX1 (RABBIT) Antibody - Background

HAX1 is a ubiquitous protein which promotes cell survival. It is involved in the clathrin-mediated endocytosis pathway and may be involved in the internalization of ABC transporters such as ABCB11. Theoretically it inhibits CASP9 AND CASP3, and may participate in the regulation of intracellular calcium pools. Anti-Hax1 antibody is ideal for researchers interested in Apoptosis, Cancer, Metabolism, Epigenetics and Nuclear Signaling, or Cell Biology research.