10320 Camino Santa Fe, Suite G
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ETEA Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55062

Specification

ETEA Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q96CS3
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**53 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human ETEA**
Epitope Specificity	**81-180/445**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Cytoplasm. Lipid droplet. Endoplasmic reticulum.**
SIMILARITY	**Contains 1 UBX domain.**
SUBUNIT	**Identified in a complex that contains SEL1L, OS9, FAF2/UBXD8, UBE2J1/UBC6E and AUP1. Interacts with YOD1.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
ETEA is a 445-amino acid protein associated with atopic dermatitis (AD), a chronic noncontagious relapsing inflammatory skin disease characterized by eczematous skin lesions and also referred to as eczematous dermatitis. Other atopic diseases such as hay fever, asthma and conjunctivitis often occur along with AD. ETEA shows higher expression in T cells and eosinophils of patients with AD than in T cells and eosinophils of unaffected individuals. T cells are influential in the regulation of the inflammatory process of this disease. The persistence of jAD is attributed to dysregulated apoptosis in T cells, eosinophils, and keratinocytes. ETEA may be involved in the resistance to apoptosis in T cells and eosinophils of AD patients.

ETEA Polyclonal Antibody - Additional Information

Gene ID 23197

Other Names
FAS-associated factor 2, Protein ETEA, UBX domain-containing protein 3B, UBX domain-containing protein 8, FAF2, ETEA, KIAA0887, UBXD8, UBXN3B

Target/Specificity
Broadly expressed, with highest levels in brain.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

ETEA Polyclonal Antibody - Protein Information

Name FAF2 {ECO:0000303|PubMed:34739333, ECO:0000312|HGNC:HGNC:24666}

Function
Plays an important role in endoplasmic reticulum-associated degradation (ERAD) that mediates ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins (PubMed:18711132, PubMed:24215460). By controlling the steady-state expression of the IGF1R receptor, indirectly regulates the insulin-like growth factor receptor signaling pathway (PubMed:26692333). Involved in inhibition of lipid droplet degradation by binding to phospholipase PNPL2 and inhibiting its activity by promoting dissociation of PNPL2 from its endogenous activator, ABHD5 which inhibits the rate of triacylglycerol hydrolysis (PubMed:23297223). Involved in stress granule disassembly: associates with ubiquitinated G3BP1 in response to heat shock, thereby promoting interaction between ubiquitinated G3BP1 and VCP, followed by G3BP1 extraction from stress granules and stress granule disassembly (PubMed:34739333).

Cellular Location
Cytoplasm. Lipid droplet Endoplasmic reticulum

Tissue Location
Broadly expressed, with highest levels in brain.

ETEA 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 Cytomety
- Cell Culture

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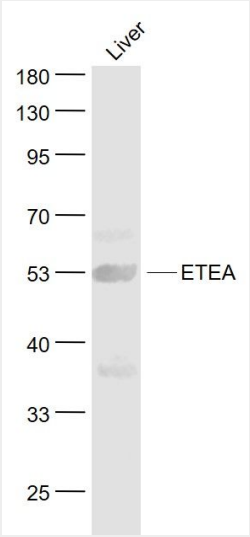
ETEA Polyclonal Antibody - Images



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti- ETEA (bs-13109R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 53 kD
Observed band size: 53 kD