



Uba5 Polyclonal Antibody

Catalog No	YP-Ab-02810
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	UBA5
Immunogen	The antiserum was produced against synthesized peptide derived from human UBA5. AA range:281-330
Specificity	Uba5 Polyclonal Antibody detects endogenous levels of Uba5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ThiFP1;UBE1DC1;Ubiquitin activating enzyme 5;Ubiquitin-activating enzyme 5; Ubiquitin-activating enzyme E1 domain-containing protein 1;Uba5;Ubiquitin-like modifier-activating enzyme 5;UFM1-activating enzyme
Observed Band	45kD
Calculated Molecular Weight	45kD
Cell Pathway	Cytoplasm . Nucleus . Endoplasmic reticulum membrane . Golgi apparatus . Localizes mainly in the cytoplasm, while it localizes to the nucleus in presence of SUMO2 (PubMed:18442052). Interaction with GABARAPL2 promotes localization to the endoplasmic reticulum membrane (PubMed:30990354). .
Tissue Specificity	Widely expressed.
Function	function:E1-like enzyme which activates UFM1.,similarity:Belongs to the ubiquitin-activating E1 family. UBA5 subfamily.,
Background	This gene encodes a member of the E1-like ubiquitin-activating enzyme family. This protein activates ubiquitin-fold modifier 1, a ubiquitin-like post-translational modifier protein, via the formation of a high-energy thioester bond. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has

been identified on chromosome 1. [provided by RefSeq, Feb 2016],

**matters needing
attention**

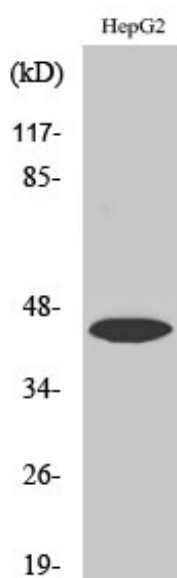
Avoid repeated freezing and thawing!

Usage suggestions

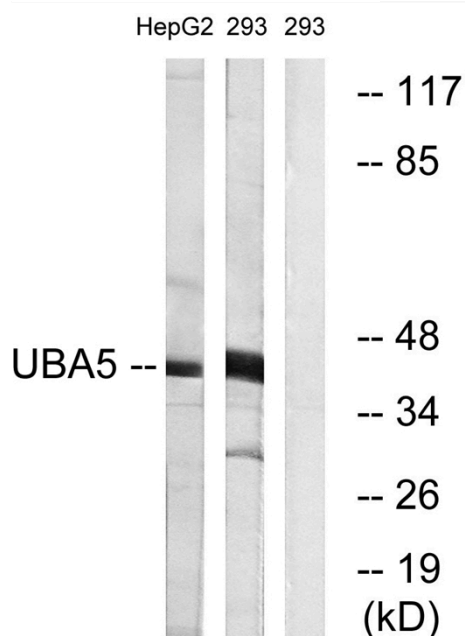
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Products Images



Western Blot analysis of various cells using Uba5 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from HepG2 and 293 cells, using UBA5 Antibody. The lane on the right is blocked with the synthesized peptide.

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).