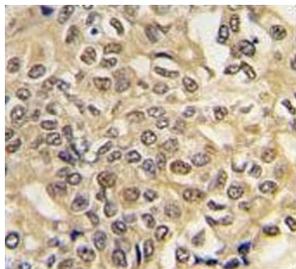


Ubiquitin-like modifier-activating enzyme 1 Antibody / UBA1 (F54754)

Catalog No.	Formulation	Size
F54754-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54754-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

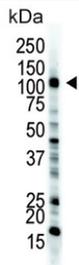
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P22314
Localization	Cytoplasmic, nuclear
Applications	Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This Ubiquitin-like modifier-activating enzyme 1 antibody is available for research use only.



IHC testing of FFPE human hepatocellular carcinoma tissue with Ubiquitin-like modifier-activating enzyme 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

kDa
250
130
95
72
55

Western blot testing of mouse stomach tissue lysate with Ubiquitin-like modifier-activating enzyme 1 antibody. Expected molecular weight: ~118/114 kDa (isoforms a/b).



Western blot testing of human HL60 cell lysate with Ubiquitin-like modifier-activating enzyme 1 antibody. Expected molecular weight: ~118/114 kDa (isoforms a/b).

Description

UBE1 / UBA1 catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternative splicing results in 2 transcript variants encoding the same protein, but with different 5' UTR.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Ubiquitin-like modifier-activating enzyme 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1026-1058 from the human protein was used as the immunogen for the Ubiquitin-like modifier-activating enzyme 1 antibody.

Storage

Aliquot the Ubiquitin-like modifier-activating enzyme 1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.