ARG45445
anti-UBA6 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes UBA6
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UBA6
Species	Human
Immunogen	Recombinant protein containing to human UBA6.
Conjugation	Un-conjugated
Alternate Names	UBA6; Ubiquitin Like Modifier Activating Enzyme 6; UBE1L2; Ubiquitin-Activating Enzyme E1-Like Protein 2; Ubiquitin-Like Modifier-Activating Enzyme 6; Ubiquitin-Activating Enzyme E1-Like 2; UBA6, Ubiquitin-Activating Enzyme E1; Ubiquitin-Activating Enzyme 6; Monocyte Protein 4; FLJ10808; E1-L2; MOP-4; Ubiquitin-Like Modifier Activating Enzyme 6; EC 6.2.1.45; MOP4

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	118 kDa

Properties

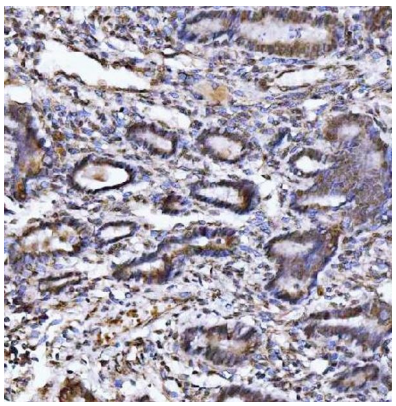
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	UBA6
Gene Full Name	Ubiquitin Like Modifier Activating Enzyme 6
Background	Modification of proteins with ubiquitin (UBB; MIM 191339) or ubiquitin-like proteins controls many signaling networks and requires a ubiquitin-activating enzyme (E1), a ubiquitin conjugating enzyme (E2), and a ubiquitin protein ligase (E3). UBE1L2 is an E1 enzyme that initiates the activation and conjugation of ubiquitin-like proteins (Jin et al., 2007 [PubMed 17597759]).[supplied by OMIM, Mar 2008]
Function	Activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin-E1 thioester and free AMP. Specific for ubiquitin, does not activate ubiquitin-like peptides. Differs from UBE1 in its specificity for substrate E2 charging. Does not charge cell cycle E2s, such as CDC34. Essential for embryonic development. Required for UBD/FAT10 conjugation. Isoform 2 may play a key role in ubiquitin system and may influence spermatogenesis and male fertility. [UniProt]
Calculated Mw	118 kDa
PTM	Acetylation; Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

Images

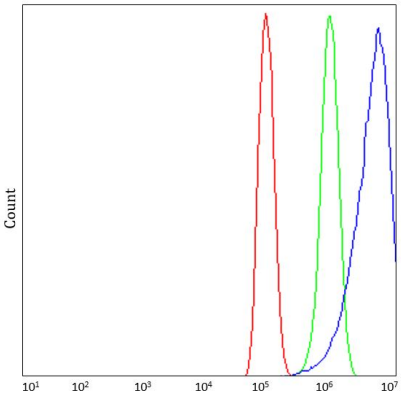


ARG45445 anti-UBA6 antibody IHC-P image

Immunohistochemistry: Human cervical cancer stained with ARG45445 anti-UBA6 antibody at 2 µg/ml dilution.

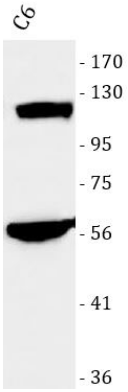
ARG45445 anti-UBA6 antibody WB image

Western blot: MOLT-4 stained with ARG45445 anti-UBA6 antibody at 0.5 µg/ml dilution.



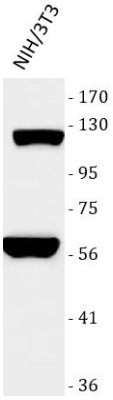
ARG45445 anti-UBA6 antibody FACS image

Flow Cytometry: PC-3 stained with ARG45445 anti-UBA6 antibody at 1 µg/10^6 cells dilution.



ARG45445 anti-UBA6 antibody WB image

Western blot: C6 stained with ARG45445 anti-UBA6 antibody at 0.5 µg/ml dilution.



ARG45445 anti-UBA6 antibody WB image

Western blot: NIH/3T3 stained with ARG45445 anti-UBA6 antibody at 0.5 µg/ml dilution.

ARG45445 anti-UBA6 antibody WB image

Western blot: COS-7 stained with ARG45445 anti-UBA6 antibody at 0.5 µg/ml dilution.