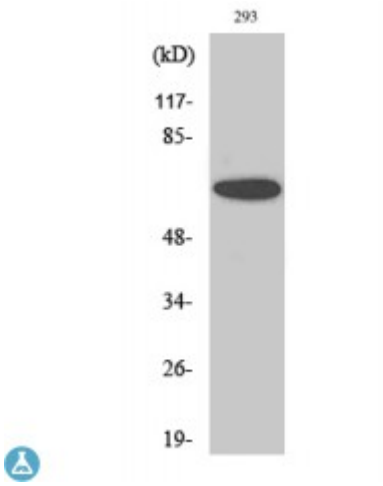
Anti-UBA2 antibody



Description	Rabbit polyclonal to UBA2.

Model	STJ96159
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human UBA2
Immunogen Region	560-640 aa, C-terminal
Gene ID	10054
Gene Symbol	UBA2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	UBA2 Polyclonal Antibody detects endogenous levels of UBA2 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	SUMO-activating enzyme subunit 2 Anthracycline-associated resistance ARX Ubiquitin-like 1-activating enzyme E1B Ubiquitin-like modifier-activating enzyme 2
Molecular Weight	71 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:30661OMIM:613295
Alternative Names	SUMO-activating enzyme subunit 2 Anthracycline-associated resistance ARX Ubiquitin-like 1-activating enzyme E1B Ubiquitin-like modifier-activating enzyme 2
Function	The heterodimer acts as an E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins followed by formation of a thioester bond between a SUMO protein and a conserved active site cysteine residue on UBA2/SAE2.
Cellular Localization	Cytoplasm. Nucleus. Shuttles between the cytoplasm and the nucleus, sumoylation is required either for nuclear translocation or nuclear retention.
Post-translational Modifications	Sumoylated with SUMO1 and SUMO2/3 and by UBC9. Sumoylation at Lys-236 inhibits enzymatic activity. Sumoylation at the C-terminal lysine cluster plays an essential role in nuclear trafficking.