G-Biosciences Image not found or type unknown

Immunotag™ UBA2 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT4794
Product Description	Immunotag™ UBA2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	UBA2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human Uba2. AA range:591-640
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
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	UBA2
Accession No.	Q9UBT2 Q9Z1F9
Alternate Names	UBA2; SAE2; UBLE1B; HRIHFB2115; SUMO-activating enzyme subunit 2; Anthracycline-associated resistance ARX; Ubiquitin-like 1-activating enzyme E1B

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Description	ubiquitin like modifier activating enzyme 2(UBA2) Homo sapiens Posttranslational modification of proteins by the addition of the small protein SUMO (see SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular localization. SAE1 (MIM 613294) and UBA2 form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins (Okuma et al., 1999 [PubMed 9920803]).[supplied by OMIM, Mar 2010],
Cell Pathway/ Category	Ubiquitin mediated proteolysis,
Protein Expression	Brain,Cervix carcinoma,Fetal brain,Placenta,Skin,Testis,
Subcellular Localization	nucleoplasm,cytosol,SUMO activating enzyme complex,
Protein Function	function:The dimeric enzyme acts as a E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins and formation of a thioester with a conserved cysteine residue on SAE2.,pathway:Protein modification; protein sumoylation.,similarity:Belongs to the ubiquitin-activating E1 family.,subunit:Heterodimer of SAE1 and SAE2. The complex binds SUMO proteins via SAE2.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.