

Rabbit anti-Human UBA6 Polyclonal Antibody | anti-UBA6 antibody

Anti-UBA6 Antibody, Rabbit Polyclonal

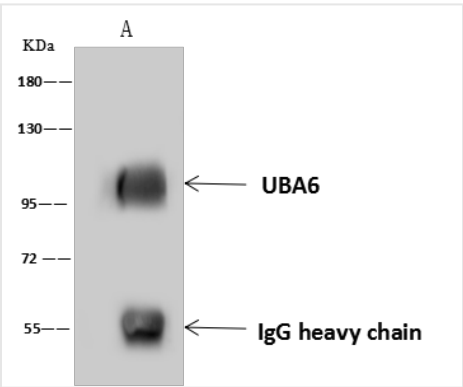
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256569	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

UBA6; Polyclonal Antibody; Anti-UBA6 Antibody; Rabbit Polyclonal; UBA6 Antibody; Rabbit PAb; Antigen Affinity Purified; ubiquitin-like modifier activating enzyme 6; Anti-E1-L2 Antibody; Anti-MOP-4 Antibody; Anti-UBE1L2 Antibody; anti-UBA6 antibody

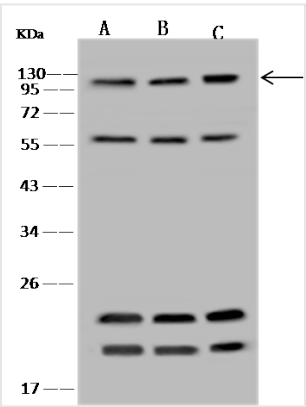
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human UBA6
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-UBA6 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human UBA6 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human UBA6 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

UBA6 was immunoprecipitated using: Lane A: 0.5 mg U-251 MGt Whole Cell Lysate 4 uL anti-UBA6 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-UBA6 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 118 kDa Observed band size :118 kDa



WB (Western Blot)

Anti-UBA6 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lane C: U-251 MG Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 118 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-UBA6 antibody	UBA6 (Ubiquitin Like Modifier Activating Enzyme 6) is a Protein Coding gene. The UBA6 gene, located on 4q13.2, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, and frog. Uba6 is a homolog of the ubiquitin-activating enzyme, Uba1, and activates two ubiquitin-like proteins (UBLs), ubiquitin and FAT10. UBA6 is an alternative enzyme for ubiquitin activation in vertebrates that plays a pivotal role in early mouse development. UBA6 is widely expressed in the lymph node, appendix, and other tissues. Diseases associated with UBA6 include Ichthyosis, Congenital, Autosomal Recessive 4A, and Johanson-Blizzard Syndrome. Among its related pathways are the Metabolism of proteins and the Innate Immune System.
References	Kim MJ, et al. (2019) Early-stage paired housing improves social interaction in neuronal uba6-deficient mice. Biochem Biophys Res Commun 514 (2): 545-549. Gavin JM, et al. (2012) Mechanistic studies on activation of ubiquitin and di-ubiquitin-like protein, fat10, by ubiquitin-like modifier activating enzyme 6, uba6. J Biol Chem 287 (19): 15512-15522. Chen Z, et al. (2020) Down-regulation of uba6 exacerbates brain injury by inhibiting the activation of notch signaling pathway to promote cerebral cell apoptosis in rat acute cerebral infarction model. Mol Cell Probes 53 101612.

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