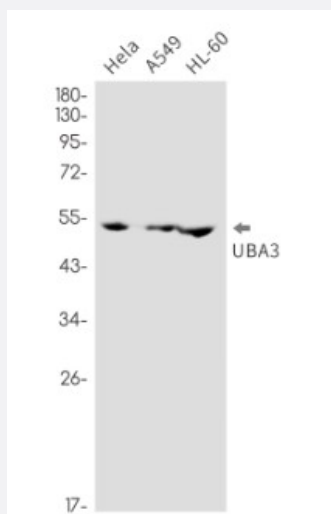


RecomAb™

UBA3 recombinant monoclonal antibody, clone R05-6C8

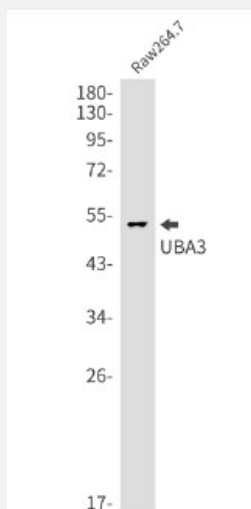
Catalog # RAB01340 Size 100 uL

Applications



Western Blot

Western Blot analysis of HeLa, A549, HL-60 lysates with UBA3 recombinant monoclonal antibody, clone R05-6C8 (Cat # RAB01340).



Western Blot

Western Blot analysis of Raw 264.7 cells with UBA3 recombinant monoclonal antibody, clone R05-6C8 (Cat # RAB01340).

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against human UBA3.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human UBA3.
Theoretical MW (kDa)	Calculated MW: 52 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Hela, A549, HL-60 lysates with UBA3 recombinant monoclonal antibody, clone R05-6C8 (Cat # RAB01340).

- Western Blot

Western Blot analysis of Raw 264.7 cells with UBA3 recombinant monoclonal antibody, clone R05-6C8 (Cat # RAB01340).

Gene Info — UBA3

Entrez GeneID	9039
Protein Accession#	Q8TBC4
Gene Name	UBA3
Gene Alias	DKFZp566J164, MGC22384, UBE1C, hUBA3
Gene Description	ubiquitin-like modifier activating enzyme 3

Omim ID [603172](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

Other Designations

Nedd8-activating enzyme hUba3|UBA3, ubiquitin-activating enzyme E1 homolog|ubiquitin-activating enzyme 3|ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)|ubiquitin-activating enzyme E1C (homologous to yeast UBA3)

Pathway

- [Ubiquitin mediated proteolysis](#)