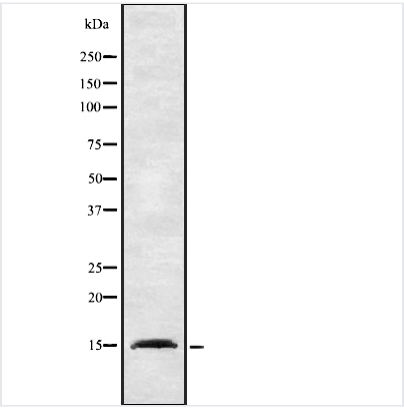
UBA52 Antibody

PRODUCT OVERVIEW

Product Name	UBA52, Antibody
Full Product Name	UBA52 Antibody
Product Gene Name	anti-UBA52 antibody
Molecular Weight	14,728 Da
OMIM	191321
3D Structure	ModBase 3D Structure for P62987
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-UBA52 antibody	MBS8517301 is an antibody targeting UBA52. Also known as UBA52 Antibody.
Other Notes	Small volumes of anti-UBA52 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-UBA52 antibody
Western blot analysis UBA52 using COLO205 whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBA52. It may not necessarily be applicable to this product.

NCBI GI #	77539055
NCBI GeneID	7311
NCBI Accession #	NP_001029102.1
UniProt Primary Accession #	P62987
UniProt Secondary Accession #	P02248; P02249; P02250; P14793; P62988; Q29120; Q6LBL4; Q6LDU5; Q8WYN8; Q91887; Q91888
UniProt Related Accession #	P62987
GenBank Nucleotide #	NM_001033930.2
NCBI Official Full Name	ubiquitin-60S ribosomal protein L40 isoform 1

NCBI Official Synonym Full Names	ubiquitin A-52 residue ribosomal protein fusion product 1
NCBI Official Symbol	UBA52
NCBI Official Synonym Symbols	L40; CEP52; RPL40; HUBCEP52
UniProt Protein Name	Ubiquitin-60S ribosomal protein L40
UniProt Synonym Protein Names	CEP52; Ubiquitin A-52 residue ribosomal protein fusion product 1
UniProt Gene Name	UBA52
UniProt Synonym Gene Names	UBCEP2
NCBI Protein Information	ubiquitin-60S ribosomal protein L40
NCBI Summary for UBA52	Ubiquitin is a highly conserved nuclear and cytoplasmic protein that has a major role in targeting cellular proteins for degradation by the 26S proteosome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene encodes a fusion protein consisting of ubiquitin at the N terminus and ribosomal protein L40 at the C terminus, a C-terminal extension protein (CEP). Multiple processed pseudogenes derived from this gene are present in the genome. [provided by RefSeq, Jul 2008]
UniProt Comments for UBA52	Ubiquitin: Exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer (monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair; Lys-11-linked is involved in ERAD (endoplasmic reticulum-associated degradation) and in cell-cycle regulation; Lys-29-linked is involved in lysosomal degradation; Lys-33-linked is involved in kinase modification; Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling.
Research Articles on UBA52	**1.** Select activation-degradation regions like the ones found in EKLF and SREBP1a function in part through their ability to form noncovalent interactions with ubiquitin.
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