10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UBL4A antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14388

Specification

UBL4A antibody - middle region - Product Information

Application	**WB**
Primary Accession	B7NZQ9
Other Accession	NM_014235, NP_055050
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Yeast, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**18kDa KDa**

UBL4A antibody - middle region - Additional Information

Gene ID 100328764

Alias Symbol	**DX254E, DXS254E, G6PD, GDX, UBL4, GET5, MDY2, TMA24**

Other Names
Ubiquitin-like protein 4A, UBL4A

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-UBL4A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
UBL4A antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

UBL4A antibody - middle region - Protein Information

Name UBL4A

Function
As part of a cytosolic protein quality control complex, the BAG6/BAT3 complex, maintains misfolded and hydrophobic patches- containing proteins in a soluble state and participates in their proper delivery to the endoplasmic reticulum or alternatively can promote their sorting to the proteasome where they undergo degradation. The BAG6/BAT3 complex is involved in the post-translational delivery of tail-anchored/type II transmembrane proteins to the endoplasmic reticulum membrane. Recruited to ribosomes, it interacts with the transmembrane region of newly

synthesized tail-anchored proteins and together with SGTA and ASNA1 mediates their delivery to the endoplasmic reticulum. Client proteins that cannot be properly delivered to the endoplasmic reticulum are ubiquitinated and sorted to the proteasome. Similarly, the BAG6/BAT3 complex also functions as a sorting platform for proteins of the secretory pathway that are mislocalized to the cytosol either delivering them to the proteasome for degradation or to the endoplasmic reticulum. The BAG6/BAT3 complex also plays a role in the endoplasmic reticulum-associated degradation (ERAD), a quality control mechanism that eliminates unwanted proteins of the endoplasmic reticulum through their retrotranslocation to the cytosol and their targeting to the proteasome. It maintains these retrotranslocated proteins in an unfolded yet soluble state condition in the cytosol to ensure their proper delivery to the proteasome.

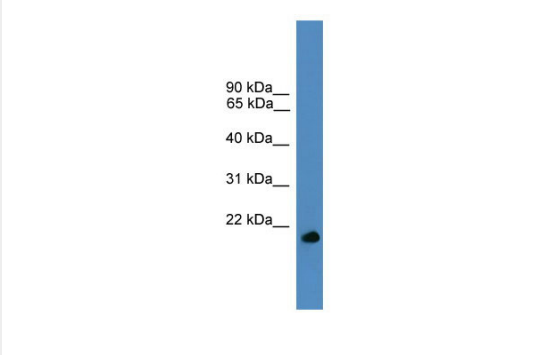
Cellular Location
Cytoplasm, cytosol {ECO:0000250|UniProtKB:P11441}. Nucleus {ECO:0000250|UniProtKB:P11441}

UBL4A antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UBL4A antibody - middle region - Images



WB Suggested Anti-UBL4A Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Jurkat cell lysate

UBL4A antibody - middle region - References

Antonellis A.,et al.Submitted (DEC-2008) to the EMBL/GenBank/DDBJ databases.