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UBP46 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP14161b

Specification

UBP46 Antibody (C-term) Blocking peptide - Product Information

Primary Accession P62068

UBP46 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 64854

Other Names
Ubiquitin carboxyl-terminal hydrolase 46, Deubiquitinating enzyme 46, Ubiquitin thioesterase 46, Ubiquitin-specific-processing protease 46, USP46

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP14161b was selected from the C-term region of UBP46. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

UBP46 Antibody (C-term) Blocking peptide - Protein Information

Name USP46

Function
Deubiquitinating enzyme that plays a role in behavior, possibly by regulating GABA action. May act by mediating the deubiquitination of GAD1/GAD67 (By similarity). Has almost no deubiquitinating activity by itself and requires the interaction with WDR48 to have a high activity (PubMed:19075014, PubMed:26388029). Not involved in deubiquitination of monoubiquitinated FANCD2 (PubMed:19075014).

Cellular Location
Cytoplasm. Note=USP46/WDR48/WDR20 complex is predominantly cytoplasmic

Tissue Location

Broadly expressed..

UBP46 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

UBP46 Antibody (C-term) Blocking peptide - Images

UBP46 Antibody (C-term) Blocking peptide - Background

Modification of cellular proteins by ubiquitin is anessential regulatory mechanism controlled by the coordinated actionof multiple ubiquitin-conjugating and deubiquitinating enzymes.USP46 belongs to a large family of cysteine proteases that functionas deubiquitinating enzymes (Quesada et al., 2004 [PubMed14715245]).

UBP46 Antibody (C-term) Blocking peptide - References

Kushima, I., et al. J. Hum. Genet. 55(3):133-136(2010)Cohn, M.A., et al. J. Biol. Chem. 284(8):5343-5351(2009)Zemunik, T., et al. Croat. Med. J. 50(1):23-33(2009)Quesada, V., et al. Biochem. Biophys. Res. Commun. 314(1):54-62(2004)Puente, X.S., et al. Nat. Rev. Genet. 4(7):544-558(2003)