

UBP46 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14161b**Specification**

UBP46 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P62068
Other Accession	P62069 , A5WWB0 , NP_001127695.1 , NP_073743.2 , F1M625
Reactivity	Human
Predicted	Zebrafish, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42442
Antigen Region	241-269

UBP46 Antibody (C-term) - 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

This UBP46 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 241-269 amino acids from the C-terminal region of human UBP46.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

UBP46 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UBP46 Antibody (C-term) - 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

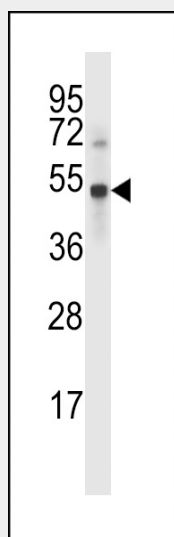
Tissue Location

Broadly expressed..

UBP46 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UBP46 Antibody (C-term) - Images

UBP46 Antibody (C-term) (Cat. #AP14161b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the UB46 antibody detected the UB46 protein (arrow).

UBP46 Antibody (C-term) - Background

Modification of cellular proteins by ubiquitin is an essential regulatory mechanism controlled by the coordinated action of multiple ubiquitin-conjugating and deubiquitinating enzymes.

USP46 belongs to a large family of cysteine proteases that function as deubiquitinating enzymes (Quesada et al., 2004 [PubMed 14715245]).

UBP46 Antibody (C-term) - 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)