

Goat Anti-DUSP16 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1345a**Specification**

Goat Anti-DUSP16 Antibody - Product Information

Application	IHC
Primary Accession	Q9BY84
Other Accession	NP_085143 , 80824 , 70686 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	73102

Goat Anti-DUSP16 Antibody - Additional Information**Gene ID** 80824**Other Names**

Dual specificity protein phosphatase 16, 3.1.3.16, 3.1.3.48, Mitogen-activated protein kinase phosphatase 7, MAP kinase phosphatase 7, MKP-7, DUSP16, KIAA1700, MKP7

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-DUSP16 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-DUSP16 Antibody - Protein Information**Name** DUSP16**Synonyms** KIAA1700, MKP7**Function**

Dual specificity protein phosphatase involved in the inactivation of MAP kinases. Dephosphorylates MAPK10 bound to ARRB2.

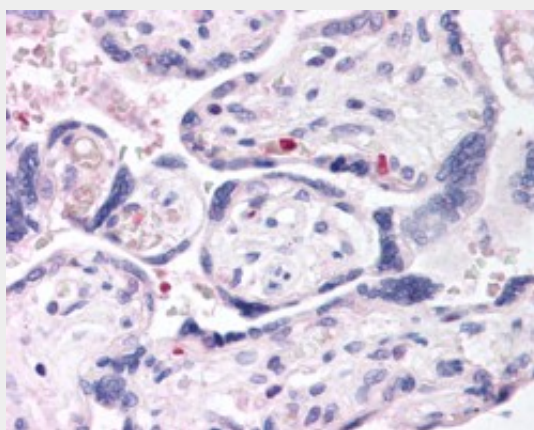
Cellular Location

Cytoplasm. Nucleus. Cytoplasmic vesicle. Note=After dissociation upon AGTR stimulation, re-associates with ARRB2 on endocytic vesicles

Goat Anti-DUSP16 Antibody - 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](#)

Goat Anti-DUSP16 Antibody - Images

AF1345a (2.5 µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-DUSP16 Antibody - Background

This gene encodes a mitogen-activated protein kinase phosphatase that is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. The encoded protein specifically regulates the c-Jun amino-terminal kinase (JNK) and extracellular signal-regulated kinase (ERK) pathways.

Goat Anti-DUSP16 Antibody - References

DUSP16 is an epigenetically regulated determinant of JNK signalling in Burkitt's lymphoma. Lee S, et al. Br J Cancer, 2010 Jul 13. PMID 20551953.

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

MKP-7, a JNK phosphatase, blocks ERK-dependent gene activation by anchoring phosphorylated ERK in the cytoplasm. Masuda K, et al. Biochem Biophys Res Commun, 2010 Mar 5. PMID 20122898.

SDF-1alpha stimulates JNK3 activity via eNOS-dependent nitrosylation of MKP7 to enhance endothelial migration. Pi X, et al. Proc Natl Acad Sci U S A, 2009 Apr 7. PMID 19307591.

Dual-specificity phosphatases: critical regulators with diverse cellular targets. Patterson KI, et al. Biochem J, 2009 Mar 15. PMID 19228121.