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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.

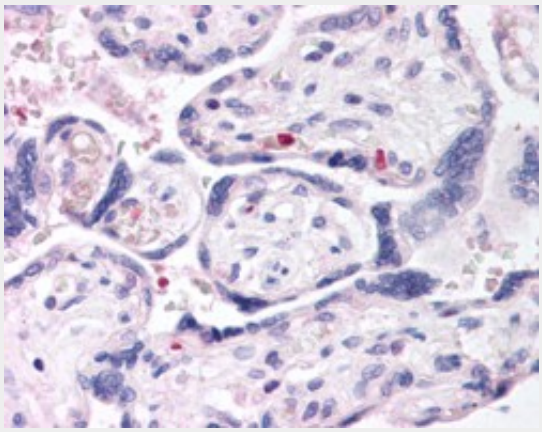
Cellular Location
Cytoplasm. Nucleus. Cytoplasmic vesicle. Note=After dissociation upon AGTR stimulation, re-associates with ARRB2 on endocytic vesicles

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 Cytomety
- 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.
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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.