

For Research Use Only

DUSP10 Polyclonal antibody

Catalog Number: 30493-1-AP



Basic Information

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| Catalog Number: 30493-1-AP | GenBank Accession Number: BC031405 | Purification Method: Antigen affinity purification |
| Size: 600 µg/ml | GeneID (NCBI): 11221 | Recommended Dilutions: WB 1:500-1:2000 |
| Source: Rabbit | UNIPROT ID: Q9Y6W6 | |
| Isotype: IgG | Full Name: dual specificity phosphatase 10 | |
| Immunogen Catalog Number: AG32718 | Observed MW: 53 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : HeLa cells, mouse heart tissue, rat brain tissue |
| Species Specificity: Human, Mouse, Rat | |

Background Information

DUSP10, also known as MKP5, is a member of the MKPs subfamily involved in cell proliferation, differentiation, and migration. DUSP10 is a dual specificity phosphatase capable of dephosphorylating both pTyr and pThr residues of activated MAPKs with different affinities. It has been shown that isoforms of the p38 and JNK subfamilies are selectively and more effectively dephosphorylated than ERK subfamily members. DUSP10 has been proposed as a target for therapeutic treatment of atherosclerosis, since DUSP10 inhibition reduces NF- κ B-induced TNF- α expression and increases TGF- β 1 levels in this disease (PMID: 30939861).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

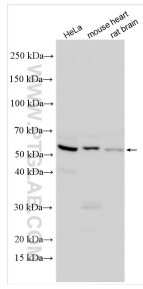
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30493-1-AP (DUSP10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.