



Goat anti-MK2 / MAPKAPK2 Antibody

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| Item Number | dAP-2869 |
| Target Molecule | Principle Name: MK2 / MAPKAPK2; Official Symbol: MAPKAPK2; All Names and Symbols: MAPKAPK2; mitogen-activated protein kinase-activated protein kinase 2; MAPKAP-K2; MK-2; MK2; MAP kinase-activated protein kinase 2; MAPK-activated protein kinase 2; MAPKAP kinase 2; Accession Number (s): NP_004750.1; NP_116584.2; Human Gene ID(s): 9261; Non-Human GeneID(s): 17164 (mouse) 289014 (rat) |
| Immunogen | SRVLKEDKERWED, is from internal region (near C Terminus) This antibody is expected to recognize both reported isoforms (NP_004750.1; NP_116584.2). |
| Applications | Pep ELISA, WB, IP Species Tested: Mouse |
| Purification | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Supplied As | lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| Peptide ELISA | Peptide ELISA: antibody detection limit dilution 1 to 128000. |
| Western Blot | Western Blot: Approx 60kDa band observed in Mouse Embryonic Fibroblasts (MEF) lysates, not present in the knockout MEFs and reappearing as a 45kDa band upon reintroduction of MK2 gene expression through viral transduction (calculated MW of 44.0kDa accord |
| IHC | |
| Reference | Reference(s): Yang Y, Xia F, Hermance N, Mabb A, Simonson S, Morrissey S, Gandhi P, Munson M, Miyamoto S, Kelliher MA. A cytosolic ATM/NEMO/RIP1 complex recruits TAK1 to mediate the NF-kappaB and p38 mitogen-activated protein kinase (MAPK)/MAPK-activated protein 2 responses to DNA damage. Mol |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**