Goat anti-AIFM1 Antibody

Item Number	dAP-3214
Target Molecule	Principle Name: AIFM1; Official Symbol: AIFM1; All Names and Symbols: AIFM1; apoptosis-inducing factor, mitochondrion-associated, 1; AIF; CMTX4; COWCK; COXPD6; PDCD8; apoptosis-inducing factor 1, mitochondrial; programmed cell death 8 (apoptosis-inducing factor); striatal apoptosis-inducing factor; Accession Number (s): NP_004199.1; NP_665811.1; NP_665812.1; NP_001124318.1; Human Gene ID(s): 9131; Non-Human GeneID(s): 26926 (mouse) 83533 (rat)
Immunogen	NEVAKLFNIHED, is from C Terminus This antibody is expected to recognize isoform 1 (NP_004199.1), isoform 2 (NP_665811.1), isoform 3 (NP_665812.1) and isoform 4 (NP_001124318.1).
Applications	Pep ELISA, IF, WB Species Tested: Human, Mouse, Rat, Pig
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; Reconsititute 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 70kDa band observed in lysates of cell line Jurkat and NIH3T3, and in Mouse and Rat Heart and Kidney lysates. Approx. 65kDa observed in Pig Heart lysates (calculated MW of 66.9kDa according to Human NP_004199.1 and 66.8kDa according
IHC	
Reference	Reference(s): Lewis EM, Wilkinson AS, Jackson JS, Mehra R, Varambally S, Chinnaiyan AM, Wilkinson JC. The enzymatic activity of apoptosis-inducing factor supports energy metabolism benefiting the growth and invasiveness of advanced prostate cancer cells. The Journal of biological chemistry 2012 Dec 287

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