

Goat anti-AIFM1 (aa183-195) Antibody

Item Number	dAP-3209
Target Molecule	Principle Name: AIFM1 (aa183-195); 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_001124319.1; Human Gene ID(s): 9131; Non-Human GeneID(s):
Immunogen	DDPNVTKTLRFKQ, is from internal region This antibody is expected to recognize isoform 1 (NP_004199.1), isoform 2 (NP_665811.1) and isoform 5 (NP_001124319).
Applications	Pep ELISA, IF, WB Species Tested: Human
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 70kDa band observed in lysates of cell line Jurkat (calculated MW of 66.9kDa according to NP_004199.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.
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**