Goat anti-SDF4 (aa161-175) Antibody

Item Number	dAP-2343
Target Molecule	Principle Name: SDF4 (aa161-175); Official Symbol: SDF4; All Names and Symbols: SDF4; stromal cell derived factor 4; Cab45; 45 kDa calcium-binding protein; OTTHUMP00000001754; SDF-4; calcium binding protein; stromal cell-derived factor 4; Accession Number (s): NP_057631.1; NP_057260.2; Human Gene ID (s): 51150; Non-Human GeneID(s): 20318 (mouse) 155173 (rat)
Immunogen	EYKVKFLASKGHSEK, is from internal region This antibody is expected to recognize both reported isoforms (NP_057631.1; NP_057260.2).
Applications	Pep ELISA, WB, IHC 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; 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 64000.
Western Blot	Western Blot: Approx 45kDa band observed in lysates of cell line Jurkat (calculated MW of 41.8kDa according to NP_057260.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse for this pa
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows preferential staining in the brush borders of epithelial cells. Recommended concentration: 5-10µg/ml.
Reference	Reference(s): Kang H, Escudero-Esparza A, Douglas-Jones A, Mansel RE, Jiang WG, Transcript analyses of stromal cell derived factors (SDFs): SDF-2, SDF-4 and SDF-5 reveal a different pattern of expression and prognostic association in human breast cancer. International journal of oncology 2009 Jul 35 (1): 205-

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