Goat anti-Duffy / FY / DARC Antibody

Item Number	dAP-0744
Target Molecule	Principle Name: Duffy / FY / DARC; Official Symbol: ACKR1; All Names and Symbols: FY; DARC; HGNC:4035; Duffy blood group; CCBP1; GPD; CTA-134P22.3; CD234; FY; OTTHUMP00000060081; Duffy blood group, chemokine receptor; Duffy blood group antigen; Glycoprotein D; Dfy; GpFy; WBCQ1; Fy glycoprotein; OTTHUMP00000035293; OTTHUMP00000035294; Accession Number (s): NP_001116423.1; NP_002027.2; Human Gene ID(s): 2532; Non-Human GeneID(s):
Immunogen	HRAELSPSTENSSQLDFED, is from N Terminus This antibody is expected to recognize both reported isoforms (NP_001116423.1; NP_002027.2).
Applications	Pep ELISA, WB, IHC, FC 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 16000.
Western Blot	Western Blot: Approx 37kDa band observed in Human Liver lysates (calculated MW of 35.6kDa according to NP_002027.2). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: In paraffin embedded Human Kidney stains epithelial cells of renal tubules and endothelial cells of vessels. The granular staining is compatible with the endoplasmic reticulum association of the protein. Recommended concentration: 3
Reference	Reference(s): Bruhl H, Vielhauer V, Weiss M, Mack M, Schlondorff D, Segerer S. Expression of DARC, CXCR3 and CCR5 in giant cell arteritis. Rheumatology (Oxford). 2005 Mar;44(3):309-13. Epub 2004 Nov 30. .PMID: 15572394 ->

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