Goat anti-IGF1 Antibody

Item Number	dAP-2229
Target Molecule	Principle Name: IGF1; Official Symbol: IGF1; All Names and Symbols: IGF1; insulin-like growth factor 1 (somatomedin C); IGF1A; IGFI; OTTHUMP00000195084; insulin-like growth factor 1; Accession Number (s): NP_001104753.1; NP_001104754.1; NP_001104755.1; NP_000609.1; Human Gene ID(s): 3479; Non-Human GeneID(s): 16000 (mouse) 24482 (rat)
Immunogen	RSVRAQRHTD, is from internal region This antibody is expected to recognize all reported isoforms (NP_001104753.1; NP_001104754.1; NP_001104755.1; NP_000609.1).
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 32000.
Western Blot	Western Blot: Approx 15kDa band observed in Human Uterus lysates (calculated MW of 15.2kDa according to NP_001104754.1). Recommended concentration: 0.5-2µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse and Rat for this
IHC	Immunohistochemistry: Paraffin embedded Human Spleen. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Furundzija V, Fritzsche J, Kaufmann J, Meyborg H, Fleck E, Kappert K, Stawowy P, IGF-1 increases macrophage motility via PKC/p38-dependent alphavbeta3-integrin inside-out signaling. Biochemical and biophysical research communications 2010 Apr 394 (3): 786-91..PMID: 20230795->

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