

Goat anti-NDRG1 Antibody

Item Number	dAP-0472
Target Molecule	Principle Name: NDRG1; Official Symbol: NDRG1; All Names and Symbols: NDRG1; N-myc downstream regulated gene 1; CAP43.; CMT4D; DRG1; GC4; HMSNL; NDR1; NMSL; PROXY1; RIT42; RTP; TARG1; TDD5; N-myc downstream regulated gene 1 protein; differentiation-related gene 1 protein; nickel-specific induction protein Cap43; protein reg; Accession Number (s): NP_006087.2; Human Gene ID(s): 10397; Non-Human GeneID(s): 17990 (mouse)
Immunogen	GNSAGPKSMEVSC, is from C Terminus The variants (NP_006087.2; NP_001128714.1) encode the same protein
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; 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 32000.
Western Blot	Western Blot: Approx 48kDa band observed in Human Kidney, and approx 50kDa band observed in Human Brain (Cerebellum) and Testis lysates (calculated MW of 42.8kDa according to NP_006087.2). The observed molecular weight corresponds to earlier findings with
IHC	Immunohistochemistry: In paraffin embedded Human hepatocellular carcinoma shows strong labeling of membranes and weaker staining of cytoplasm. These observations are consistent with those obtained by different antibodies. Recommended concentration: 0.5-2µ
Reference	Reference(s): Zhou D, Salnikow K, Costa M. Cap43, a novel gene specifically induced by Ni2+ compounds. Cancer Res. 1998 May 15;58(10):2182-9..PMID: 9605764 ->

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**