

Rabbit NDRG2 Polyclonal Antibody | anti-NDRG2 antibody

Phospho-NDRG2 (Thr348) Antibody

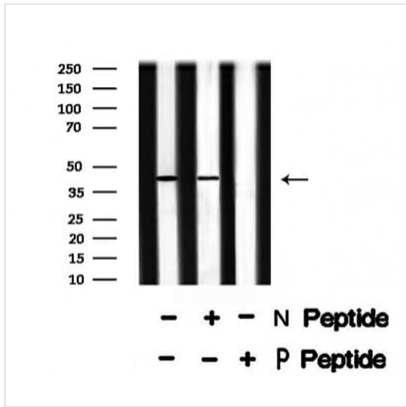
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329822	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (89%), Zebrafish (100%), Bovine (89%), Horse (89%), Sheep (89%), Rabbit (100%), Dog (89%), Xenopus (89%)	ELISA, Western Blot

PRODUCT SYNONYMS

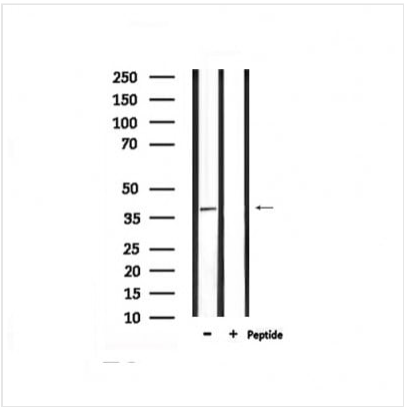
NDRG2; Polyclonal Antibody; Phospho-NDRG2 (Thr348) Antibody; Antidepressant related protein ADRG123; Cytoplasmic protein Ndr1; DKFZp781G1938; FLJ25522; KIAA1248; N myc downstream regulated gene 2; N myc downstream regulator 2; NDR1 related protein NDR2; NDRG 2; NDRG family member 2; NDRG1 related protein; NDRG2_HUMAN; Protein NDRG2; Protein Syld709613; SYLD; Syld709613 protein; anti-NDRG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (89%), Zebrafish (100%), Bovine (89%), Horse (89%), Sheep (89%), Rabbit (100%), Dog (89%), Xenopus (89%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-NDRG2 (Thr348) Antibody detects endogenous levels of NDRG2 only when phosphorylated at Thr348. Tissue Specificity: Highly expressed in brain, heart, skeletal muscle and salivary gland, and moderately in kidney and liver. Expressed in dendritic cells, but not in other blood cells. Expression levels are low in pancreatic and liver cancer tissues; absent in meningioma. Expressed in low-grade gliomas but present at low levels in glioblastoma. Isoform 1 and isoform 2 are present in brain neurons and up-regulated in Alzheimer disease (at protein level).
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NDRG2 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NDRG2 around the phosphorylation site of Thr348.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with CTNNB1.
Similarity	Belongs to the NDRG family.
Subcellular Location	Cytoplasm. Cytoplasm>Perinuclear region. Cell projection>Growth cone. Note: In neurons, seems to concentrate at axonal growth cone. Perinuclear in neurons (By similarity).
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis NDRG2 (Phospho-Thr348) using EGF treated 293 whole cell lysates. -/+ means absence or presence of N peptide (non-phospho peptide) and P peptide (phospho peptide).



WB (Western Blot)
Western blot analysis of extracts from 293, using NDRG2 (Phospho-Thr348) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NDRG2 antibody	Contributes to the regulation of the Wnt signaling pathway. Down-regulates CTNNB1-mediated transcriptional activation of target genes, such as CCND1, and may thereby act as tumor suppressor. May be involved in dendritic cell and neuron differentiation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	532524992
NCBI GeneID	57447
NCBI Accession #	NP_001269140.1
NCBI GenBank Nucleotide #	NM_001282211.1
UniProt Accession #	Q9UN36; Q567T1; Q68DW2; Q86U08; Q86U46; Q96FD3; Q96FT0; B3KUE3; B7WP11; B7WPD5; D3DS07; D3DS10
Molecular Weight	371
NCBI Official Full Name	protein NDRG2 isoform c
NCBI Official Synonym Full Names	NDRG family member 2
NCBI Official Symbol	NDRG2
NCBI Official Synonym Symbols	SYLD
NCBI Protein Information	protein NDRG2; syld709613 protein; cytoplasmic protein Ndr1; NDR1-related protein NDR2; N-myc downstream regulator 2; N-myc downstream-regulated gene 2 protein
UniProt Protein Name	Protein NDRG2
UniProt Gene Name	NDRG2
UniProt Synonym Gene Names	KIAA1248; SYLD
UniProt Entry Name	NDRG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.