

ARG59486 anti-NDRG2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes NDRG2
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	NDRG2
Species	Human
Immunogen	Synthetic peptide near the N-terminus of Human NDRG2. (KEAELAARILLDQGQ-C, NP_963293.1)
Conjugation	Un-conjugated
Alternate Names	Protein Syld709613; N-myc downstream-regulated gene 2 protein; SYLD; Protein NDRG2

Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
	WB	0.1 - 0.3 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 45 kDa	

Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

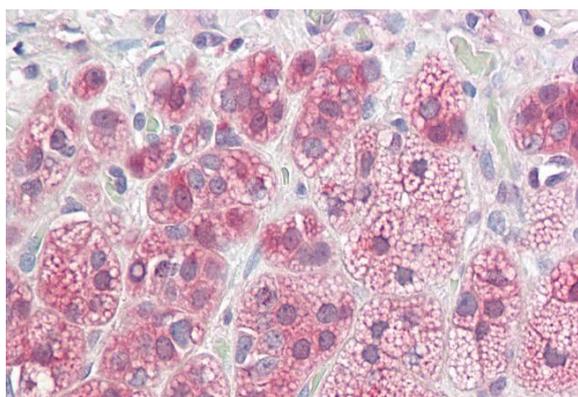
before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NDRG2
Gene Full Name	NDRG family member 2
Background	This gene is a member of the N-myc downregulated gene family which belongs to the alpha/beta hydrolase superfamily. The protein encoded by this gene is a cytoplasmic protein that may play a role in neurite outgrowth. This gene may be involved in glioblastoma carcinogenesis. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Calculated Mw	41 kDa
Cellular Localization	Cytoplasm. Cytoplasm, perinuclear region. Cell projection, growth cone. Note=In neurons, seems to concentrate at axonal growth cone. Perinuclear in neurons (By similarity). [UniProt]

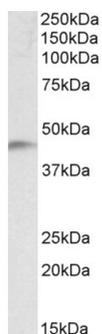
Images



ARG59486 anti-NDRG2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human adrenal gland stained with ARG59486 anti-NDRG2 antibody at 3.75 $\mu\text{g}/\text{ml}$ dilution. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).

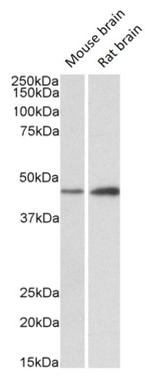
Human temporal cortex



ARG59486 anti-NDRG2 antibody WB image

Western blot: 35 μg of Human temporal cortex lysate (in RIPA buffer) stained with ARG59486 anti-NDRG2 antibody at 0.1 $\mu\text{g}/\text{ml}$ dilution and incubated at RT for 1 hour.

ARG59486 anti-NDRG2 antibody WB image



Western blot: 35 μg of Mouse brain and Rat brain lysates (in RIPA buffer) stained with ARG59486 anti-NDRG2 antibody at 0.3 $\mu\text{g}/\text{ml}$ dilution and incubated at RT for 1 hour.