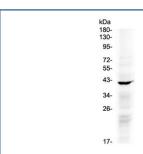


# NDRG3 Antibody (R32795)

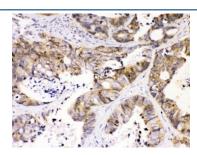
Catalog No.	Formulation	Size
R32795	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

# **Bulk quote request**

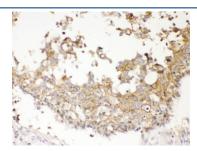
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q9UGV2
Localization	Cytoplasmic, membranous
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	This NDRG3 antibody is available for research use only.



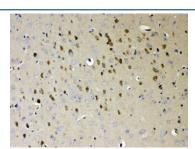
Western blot testing of human COLO320 cell lysate with NDRG3 antibody at 0.5 $\mu$ ml. Predicted molecular weight ~41 kDa.



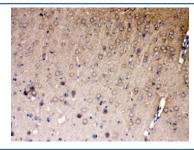
IHC testing of FFPE human intestinal cancer tissue with NDRG3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE human breast cancer tissue with NDRG3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse brain tissue with NDRG3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat brain tissue with NDRG3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

# **Description**

In studies of the NDRG gene family in the human, novel mouse sequences of Ndr2 and Ndr3 were used to search the human genome databases. This confirmed the existence of a human NDRG3 gene, homologous to mouse Ndr3. The 3 known human NDRG proteins show considerable homology, with 54% amino acid sequence identity between NDRG1 and NDRG2, 67% between NDRG1 and NDRG3, and 58% between NDRG2 and NDRG3. The NDRG3 gene was represented by 86 ESTs and a genomic clone from chromosome 20q11.21-q11.23. This provisional chromosomal localization was confirmed by electronic PCR.

### **Application Notes**

Optimal dilution of the NDRG3 antibody should be determined by the researcher.

#### **Immunogen**

Amino acids L181-R239 from the human protein were used as the immunogen for the NDRG3 antibody.

#### **Storage**

After reconstitution, the NDRG3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.