

## Anti-NDRG1 Antibody (7H760)

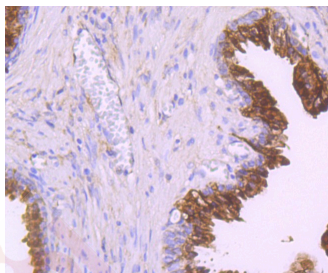
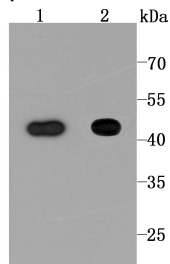
### Product Details

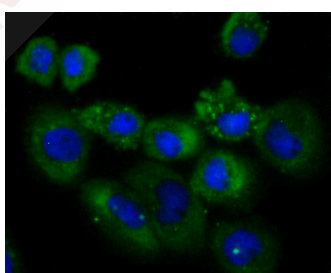
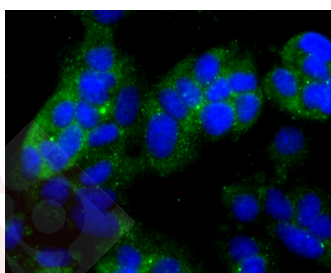
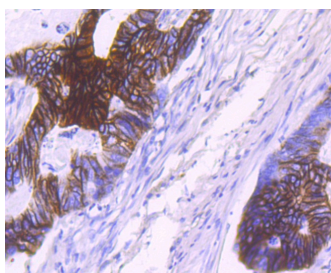
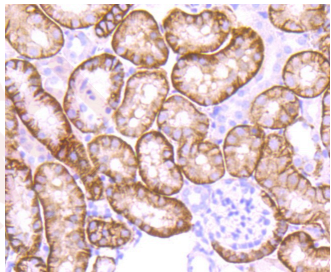
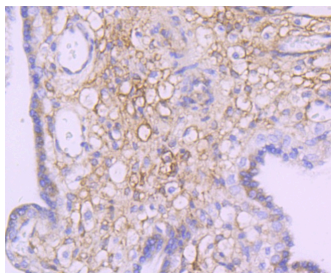
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 43 kDa.
Clone:	7H760
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of NDRG1 on SW480 cell (1) and mouse eye tissue (2) lysate using anti-NDRG1 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human prostate tissue using anti-NDRG1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-NDRG1 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-NDRG1 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-NDRG1 antibody. Counter stained with hematoxylin.
6. ICC staining NDRG1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining NDRG1 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF,IHC,IP,WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC/IF: 1:50-200; IP: 1:50

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### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein  
Uniprot ID: Q92597  
Synonyms: CAP43;NMSL;DRG-1;RIT42;PROXY1;GC4;TARG1;RTP;DRG1;HMSNL;N-myc downstream regulated 1;TDD5;NDR1;CMT4D

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### Research Background

The N-myc downstream regulated gene (NDRG) family is comprised of four members, NDRG1 (also designated Drg1, RTP, rit42, Cap43 and Ndr1), NDRG2, NDRG3 and NDRG4, which share 57-65% homology. The NDRG1 gene, which maps to human chromosome 8q24.22, is evolutionarily conserved and is similarly regulated in humans, mice and rats. Like NDRG2 and NDRG3, NDRG1 is ubiquitously expressed, but it is expressed most prominently in placental membranes and prostate, kidney, small intestine and ovary tissue. NDRG1 gene expression is induced by several compounds, including nickel, and produces a protein involved in stress responses, hormone responses, cell growth and differentiation. The gene encoding NDRG3 maps to human chromosome 20q11.23 and is predominantly expressed in testis, prostate and ovary, which suggests it may play a role in spermatogenesis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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