

Datasheet for ABIN390922

anti-NDRG1 antibody (N-Term)

3 Images

1 Publication

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Overview

Quantity:	400 µL
Target:	NDRG1
Binding Specificity:	AA 12-40, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This NDRG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the N-terminal region of human NDRG1.
Clone:	RB21832
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	NDRG1
Alternative Name:	NDRG1 (NDRG1 Products)

Target Details

Background:	NDRG1 is a cytoplasmic protein involved in stress responses, hormone responses, cell growth, and differentiation. It is necessary for p53-mediated caspase activation and apoptosis.
Molecular Weight:	42835
Gene ID:	10397
NCBI Accession:	NP_001128714 , NP_001245361 , NP_001245362 , NP_006087
UniProt:	Q92597

Application Details

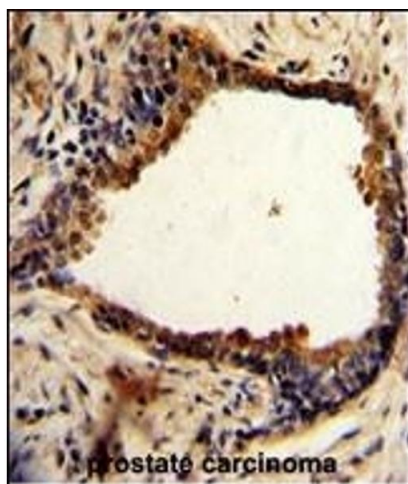
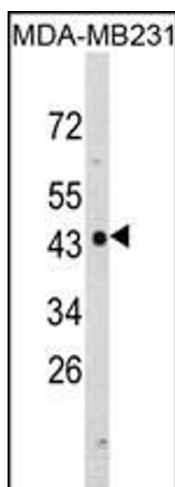
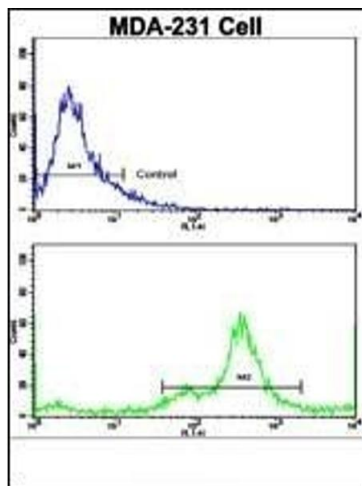
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Sadeghi, Ullenhag, Wagenius, Tötterman, Eriksson: "Rapid expansion of T cells: Effects of culture and cryopreservation and importance of short-term cell recovery." in: Acta oncologica (Stockholm, Sweden) , Vol. 52, Issue 5, pp. 978-86, (2013) (PubMed).
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Flow Cytometry

Image 1. Flow cytometric analysis of MDA-231 cells using NDRG1 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of NDRG1 Antibody (N-term) (ABIN390922 and ABIN2841124) in MDA-M cell line lysates (35 µg/lane). NDRG1 (arrow) was detected using the purified Pab.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human prostate carcinoma with NDRG1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.