

Anti-Phospho-NDRG1 (Ser330) Polyclonal Antibody 2

Product Details

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| Ig Type: | IgG |
| Reactivity: | Mouse (predicted:Human,Rat,Chicken,Dog,Cow,Horse,Rabbit) |
| Molecular Weight: | Theoretical: 43 kDa. Actual: 48 kDa. |
| Purification: | Protein A purified |

Applications

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| Verified Activity: | <p>1. Tissue/cell: Mouse embryos tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;</p> <p>Incubation: Anti-Phospho-NDRG1 (Ser330) Polyclonal Antibody, Unconjugated (TMAB-11033) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Sample: Kidney (Mouse) Lysate at 40 µg</p> <p>Primary: Anti-Phospho-NDRG1 (Ser330) (TMAB-11033) at 1/1000 dilution</p> <p>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution</p> <p>Predicted band size: 43 kD</p> <p>Observed band size: 48 kD</p> |
| Application: | WB,IHC-P,IHC-Fr,IF |
| Recommended | WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500 |

Properties

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| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | KLH conjugated Synthesised phosphopeptide: human NDRG1 around the phosphorylation site of Ser330 |
| Antigen Species: | Human |
| Gene ID: | 10397 |
| Uniprot ID: | Q92597 |

Research 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 involved in stress responses, hormone responses, cell growth, and differentiation. The encoded protein is necessary for p53-mediated caspase activation and apoptosis. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4D, and expression of this gene may be a prognostic indicator for several types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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