

KDM3B Antibody

Catalog No: #36562



Orders: order@signalwayantibody.com
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Description

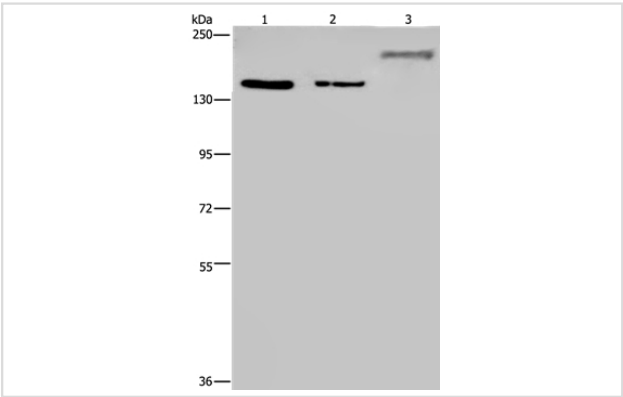
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|-----------------------|--|
| Product Name | KDM3B Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antigen affinity purification. |
| Applications | WB IHC |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous levels of total KDM3B protein. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Fusion protein corresponding to residues near the C terminal of human lysine (K)-specific demethylase 3B |
| Target Name | KDM3B |
| Other Names | 5qNCA; NET22; C5orf7; JMJD1B |
| Accession No. | Swiss-Prot#: Q7LBC6NCBI Gene ID: 51780Gene Accssion: BC001202 |
| Uniprot | Q7LBC6 |
| GeneID | 51780; |
| SDS-PAGE MW | 192kd |
| Concentration | 2mg/ml |
| Formulation | Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol. |
| Storage | Store at -20°C |

Application Details

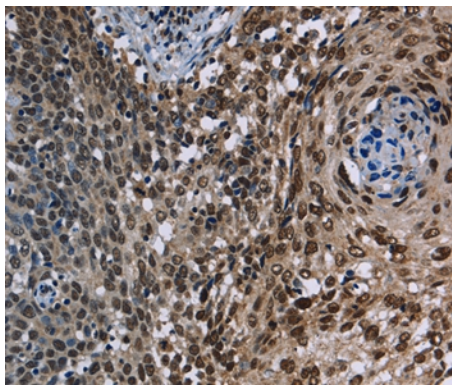
Western blotting: 1:1000-1:5000

Immunohistochemistry: 1:50-1:200

Images



Gel: 6%SDS-PAGE
Lysates (from left to right): HeLa and 293T cell, mouse skeletal muscle tissue
Amount of lysate: 40ug per lane
Primary antibody: 1/1000 dilution
Secondary antibody dilution: 1/8000
Exposure time: 1 minute



Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using #36562 at dilution 1/40.

Background

JMJD1B (jumonji domain containing 1B), also known as KDM3B, 5qNCA (5q Nuclear Co-Activator) or C5orf7, is a member of the JHDM2 histone demethylase family of proteins. Expressed in a wide variety of tissues, JMJD1B localizes to the nucleus and contains one JMJC domain and a C-terminal zinc finger motif. JMJD1B functions as a histone demethylase and, using iron as a cofactor, demethylates lysine-9 of Histone H3. This suggests that JMJD1B plays a central role in the histone code. The gene encoding human JMJD1B is located within the 5q region of the genome that is often deleted in myeloid leukemias and myelodysplasias. This implies that JMJD1B may function as a tumor suppressor of myeloid leukemia. Ectopic expression of JMJD1B exhibits growth suppressive activities, further supporting a role for JMJD1B in tumor suppression.

Note: This product is for in vitro research use only