Product Datasheet

MUL1 Antibody (5H6.2D5) - BSA Free
NBP2-31361

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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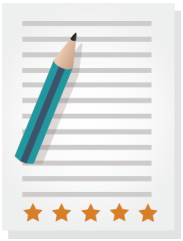
Updated 9/9/2025 v.20.1



NBP2-31361

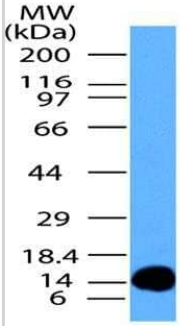
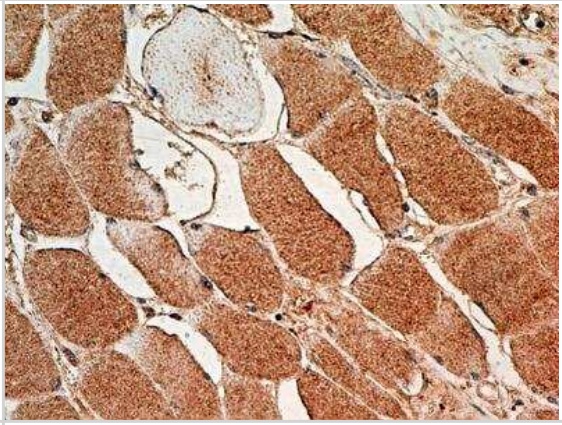
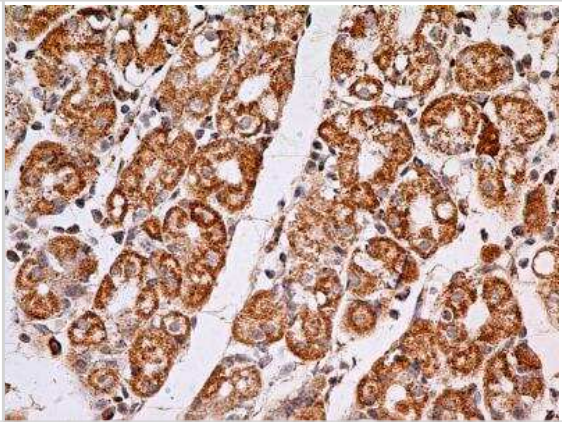
MUL1 Antibody (5H6.2D5) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5H6.2D5
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse MUL1 Antibody (5H6.2D5) - BSA Free (NBP2-31361) is a monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	79594
Gene Symbol	MUL1
Species	Human
Reactivity Notes	The immunogen sequence shows 99% similarity to Monkey's MUL1 and is 84% similar to isoform 1 and 3 of Mouse's MUL1 .
Immunogen	Partial recombinant protein made to a C-terminal portion of the human MUL1 protein (between residues 200-352) [UniProt Q969V5]

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	MUL1 (mitochondrial ubiquitin ligase activator of NFKB 1) is a 352 amino acids long protein (predicted molecular weight 39.8 kDa) which localizes to the mitochondrion's outer membrane as a multi-pass membrane protein and from there, it may get transported to the peroxisomes via mitochondrion-derived vesicles. In immunostaining experiments, this MUL1 antibody is expected to generate a cytoplasmic staining pattern.

Images

Western Blot: MUL1 Antibody (5H6.2D5) [NBP2-31361] - WB detection of partial recombinant protein MUL1 by using MUL1 antibody (clone 5H6.2D5) at a concentration of 0.01 ug/ml.	
Immunohistochemistry-Paraffin: MUL1 Antibody (5H6.2D5) [NBP2-31361] - IHC-P analysis of MUL1 protein in a transverse section of normal skeletal muscle from human using 5 ug/ml concentration of MUL1 antibody (clone 5H6.2D5). The myocytes and blood capillaries depicted strong staining whereas the nuclei were found negative for MUL1.	
Immunohistochemistry-Paraffin: MUL1 Antibody (5H6.2D5) [NBP2-31361] - IHC-P analysis of MUL1 protein in a section of normal prostate from human using 5 ug/ml concentration of MUL1 antibody (clone 5H6.2D5). Strong cytoplasmic staining was observed in the epithelial columnar and basal cells of prostate glands.	
Immunohistochemistry-Paraffin: MUL1 Antibody (5H6.2D5) [NBP2-31361] - IHC-P analysis of MUL1 protein in a section of normal cardiac stomach from human using 5 ug/ml concentration of MUL1 antibody (clone 5H6.2D5). The cardiac glands showed distinct cytoplasmic staining, wherein, the parietal cells as well as the chief cells were found positive for MUL1.	

Procedures

Immunohistochemistry-Paraffin protocol for MUL1 Antibody (NBP2-31361)
MUL1 Antibody (5H6.2D5):
Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:
Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

Staining:
1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 60 minutes at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 degrees C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.

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Products Related to NBP2-31361

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00079594-P01-10ug	Recombinant Human MUL1 GST (N-Term) Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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