

Product Name: Ubiquitin(5F1)Mouse Monoclonal Antibody
Catalog #: AMM19553

Summary

| | |
|------------------------|---|
| Production Name | Ubiquitin(5F1)Mouse Monoclonal Antibody |
| Description | Mouse Monoclonal Antibody |
| Host | Mouse |
| Application | WB,IF-P,IF-F,ICC/IF,IHC-P |
| Reactivity | Human,Rat,Mouse,Pig |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| Purification | Affinity purification |

Immunogen

| | |
|--------------------------|------------------------------------|
| Gene Name | |
| Alternative Names | |
| Gene ID | 7314.0 |
| SwissProt ID | PAN.Synthetic Peptide of Ubiquitin |

Application

| | |
|-------------------------|---|
| Dilution Ratio | WB 1:1000-2000, IHC-P 1:100-200, IF-P/IF-F/ICC/IF 1:200 |
| Molecular Weight | |

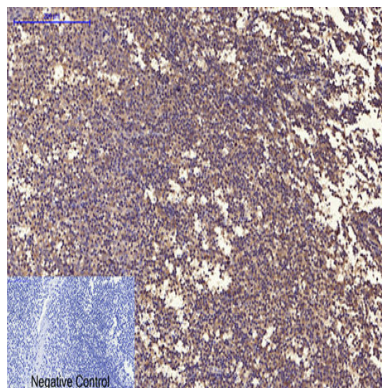
Background

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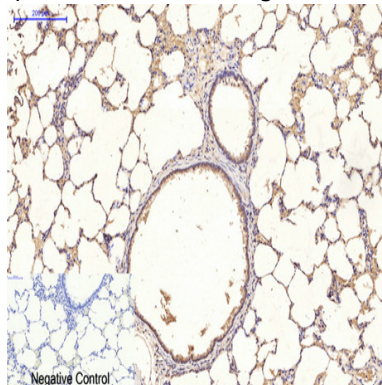
UBB (ubiquitin B) encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteasome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. UBB consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. An aberrant form of this protein has been detected in patients with Alzheimer's disease and Down syndrome. Pseudogenes of UBB are located on chromosomes 1, 2, 13, and 17. Alternative splicing results in multiple transcript variants.

Research Area

Image Data



Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1, Ubiquitin Mouse Monoclonal Antibody (5F1) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.

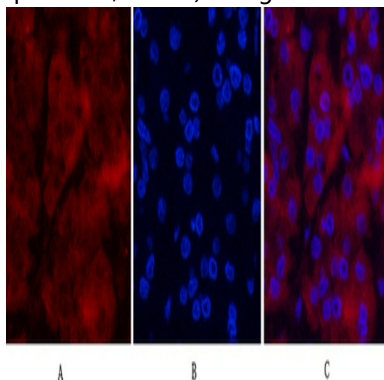


Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1, Ubiquitin Mouse Monoclonal Antibody (5F1) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary

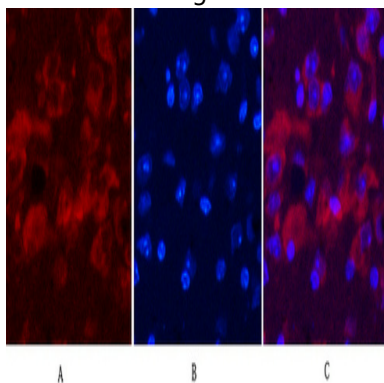
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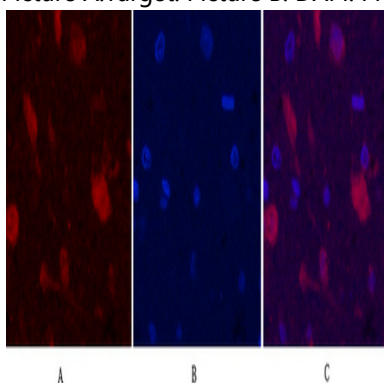
antibody was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-stomach-cancer tissue. 1,Ubiquitin Mouse Monoclonal Antibody (5F1) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

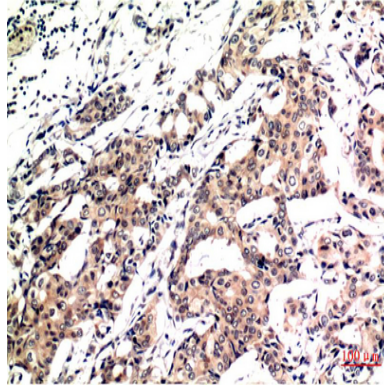


Immunofluorescence analysis of Mouse-brain tissue. 1,Ubiquitin Mouse Monoclonal Antibody (5F1) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

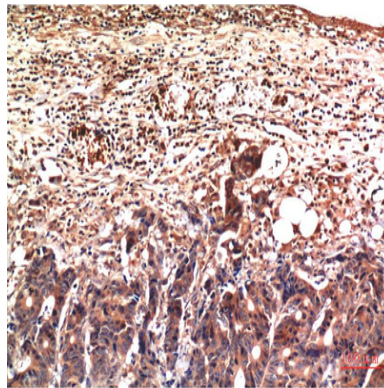


Immunofluorescence analysis of Rat-brain tissue. 1,Ubiquitin Mouse Monoclonal Antibody (5F1) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

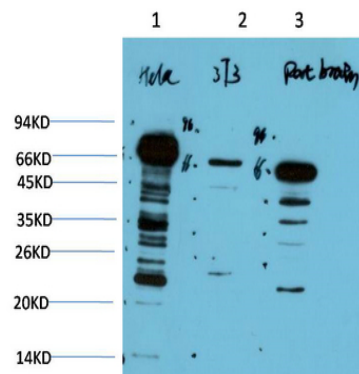
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Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using Ubiquitin Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Stomach Carcinoma Tissue using Ubiquitin Mouse mAb diluted at 1:200.



Western blot analysis of 1) Hela Cell Lysate, 2) 3T3 Cell Lysate, 3) Rat Brain Tissue Lysate using Ubiquitin Mouse mAb diluted at 1:1000.

Note

For research use only.