

Product Datasheet

TIA1 Antibody (TIA1/1313)

NBP2-53336-100ug

Unit Size: 100 ug

Store at 4C.

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NBP2-53336-100ug

TIA1 Antibody (TIA1/1313)

| Product Information | |
|-------------------------|--------------------------|
| Unit Size | 100 ug |
| Concentration | 0.2 mg/ml |
| Storage | Store at 4C. |
| Clonality | Monoclonal |
| Clone | TIA1/1313 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG2b Kappa |
| Purity | Protein A purified |
| Buffer | 10 mM PBS with 0.05% BSA |
| Target Molecular Weight | 40 kDa |

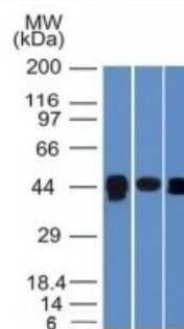
| Product Description | |
|-------------------------|--|
| Host | Mouse |
| Gene ID | 7072 |
| Gene Symbol | TIA1 |
| Species | Human |
| Specificity/Sensitivity | TIA-1 (T-cell intracytoplasmic antigen) is a cytoplasmic granule-associated protein, expressed in lymphocytes processing cytolytic potential. TIA-1 is a member of an RNA-binding protein family and possesses nucleolytic activity against cytotoxic lymphocyte (CTL) target cells. It has been suggested that this protein may be involved in the induction of apoptosis as it preferentially recognizes poly(A) homopolymers and induces DNA fragmentation in CTL targets. The major granule-associated species is a 15kDa protein thought to be derived from the carboxyl terminus of the 40kDa product by proteolytic processing. TIA1 antibody labels cytotoxic T cells and natural killer cells (NK cells). It is also expressed in T-cell lymphoma, large granular lymphocyte (LGL) leukemia and hairy cell leukemia. TIA1 expression in T-cell malignancies may help in differentiating LGL leukemia (high expression) from T-cell lymphocytosis and other T-cell diseases (low expression). TIA1 may also be used to label tumor-infiltrating lymphocytes in the study of immune response to malignancies. |
| Immunogen | Recombinant human TIA1 fragment of 102 amino acid residues (aa279-380) (Uniprot: P31483) |
| Notes | 200ug/ml of antibody purified from rabbit anti-serum by Protein A. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0 mg/ml. (NBP2-54406) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Antibody is stable for 24 months. Non-hazardous. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence |
| Recommended Dilutions | Western Blot 1-2 ug/ml, Flow Cytometry 0.5-1 ug/million cells, Immunocytochemistry/Immunofluorescence 1-2 ug/ml, Flow (Intracellular) |
| Application Notes | Optimal dilution for a specific application should be determined. Western Blot: 1-2ug/ml for 60 minutes at RT. |

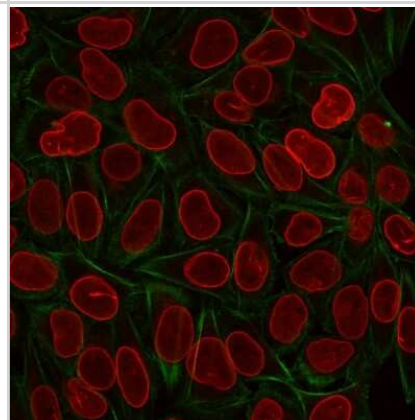


Images

Western Blot: TIA1 Antibody (TIA1/1313) [NBP2-53336] - Western Blot of HepG2, PC3 and HeLa Cell Lysates with TIA1 Monoclonal Antibody (TIA1/1313).



Immunocytochemistry/Immunofluorescence: TIA1 Antibody (TIA1/1313) [NBP2-53336] - Immunofluorescence Analysis of PFA-fixed HeLa cells using TIA1 Mouse Monoclonal Antibody (TIA1/1313) followed by goat anti-mouse IgG-CF488. Nuclei counterstained with RedDot.





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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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