Recombinant TIA1 (T-Cell-Restricted Intracellular Antigen-1) Antibody

Rabbit Monoclonal Antibody [Clone TIA1/1352R]

Catalog No	Format	Size
7072-RBM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7072-RBM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7072-RBM2-P1ABX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

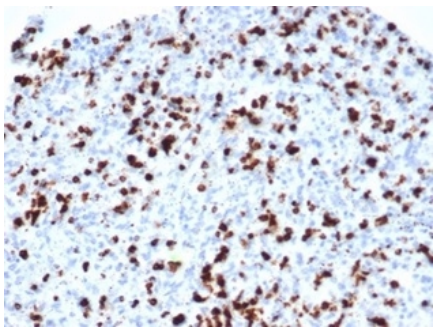
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

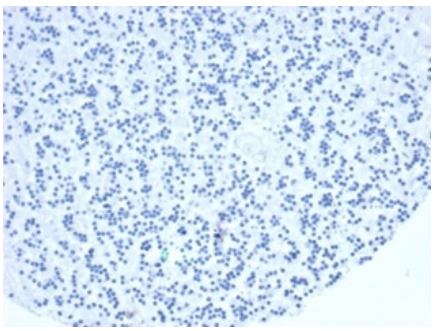
Clone	TIA1/1352R
Gene Name	TIA1
Immunogen	Human bone marrow malignant cells from a non B, non T acute leukemia
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	40kDa
Cellular Localization	Cytoplasm, Nucleus, Stress granule
Species Reactivity	Human
Positive Control	Human tonsil, spleen and lymph node, Human Ovary

**Optimal dilution for a specific application should be determined.*

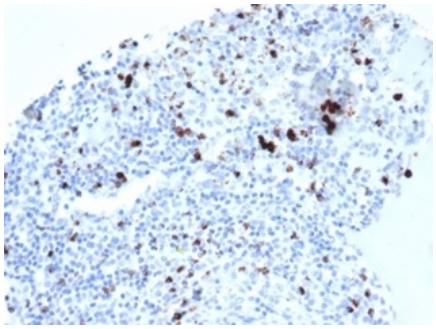
Product Images for Recombinant TIA1 (T-Cell-Restricted Intracellular Antigen-1) Antibody



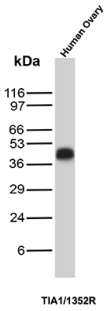
Formalin-fixed, paraffin-embedded human lymph node stained with TIA-1 Recombinant Rabbit Monoclonal Antibody (TIA/1352R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



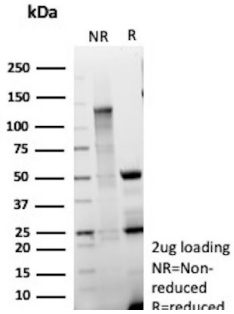
IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using TIA1/1352R at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



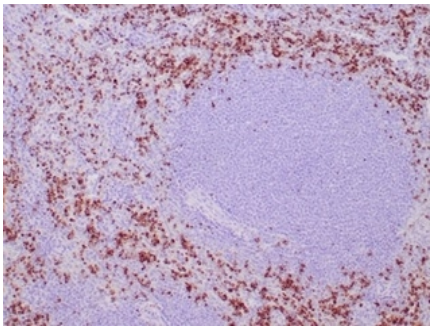
Formalin-fixed, paraffin-embedded human tonsil stained with TIA-1 Recombinant Rabbit Monoclonal Antibody (TIA/1352R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Western Blot analysis of Human Ovary tissue lysate using TIA1 Recombinant Rabbit Monoclonal Antibody (TIA1/1352R)



SDS-PAGE Analysis of Purified TIA1 Recombinant Rabbit Monoclonal Antibody (TIA1/1352R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human spleen stained with TIA-1 Recombinant Rabbit Monoclonal Antibody (TIA/1352R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

The T cell intracellular antigen 1 (TIA 1) is a 17 kDa cytoplasmic granule associated protein also designated as GMP 17, for granule membrane protein of 17 kDa. The GMP 17/TIA 1 molecule is expressed in cells possessing cytolytic potential and could be involved in the signaling cascade of Fas (CD95) mediated apoptosis. Within hematopoietic cell lines, the TIA1/1352R monoclonal antibody reacts with about 90% of CD16+, 50 60% of CD8+, and less than 10% of CD4+ normal peripheral blood lymphocytes. It reacts with almost all monocytes and granulocytes. This antibody also reacts with CD4+ activated T cell clones, activated NK cell clones, and Con activated thymocytes, but not with B lymphocytes or B cell lines. 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.

Supplied As

200ug/ml of Ab purified from rabbit anti-serum by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Apoptosis, Autophagy, Nuclear Marker, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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