

Product Datasheet

Recombinant TIA-1 Antibody / T-Cell Intracellular Antigen-1 (orb2636574)

Catalog Number	orb2636574
Category	Antibodies
Description	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.
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human
Purification	Protein A affinity

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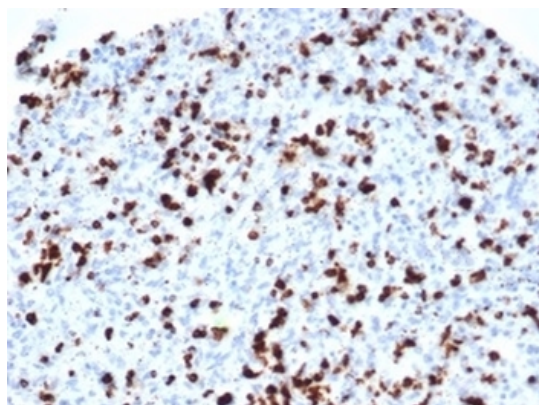
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Immunogen	Human bone marrow malignant cells from a non B, non T acute leukemia were used as the immunogen for the recombinant TIA-1 antibody.
UniProt ID	P31483
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	Optimal dilution of the recombinant TIA-1 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	TIA1/1352R
Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human lymph node with recombinant TIA-1 antibody (clone TIA/1352R). HI-ER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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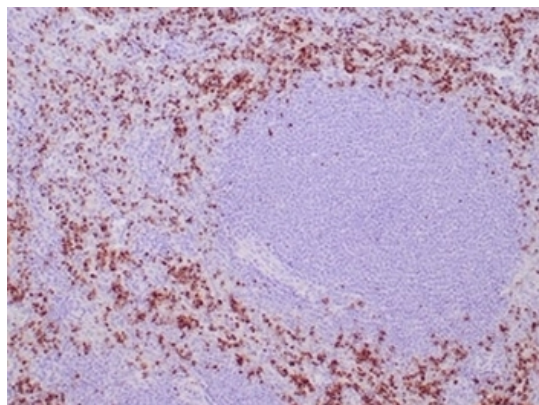
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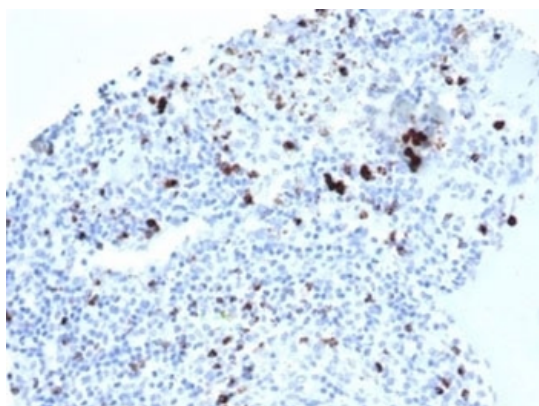
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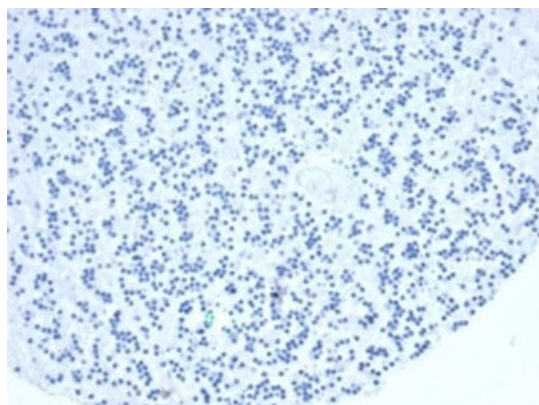
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IHC staining of FFPE human spleen tissue with recombinant TIA-1 antibody (clone TIA/1352R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with recombinant TIA-1 antibody (clone TIA/1352R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC staining of FFPE human brain tissue with recombinant TIA-1 antibody (clone TIA/1352R) at 2 ug/ml in PBS for 30 min RT. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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