Recombinant MUM1 / IRF4 (Transcription Factor) Antibody

Rabbit Monoclonal Antibody [Clone MUM1/8560R]

Catalog No	Format	Size
3662-RBM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3662-RBM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3662-RBM5-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug
3662-RBM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

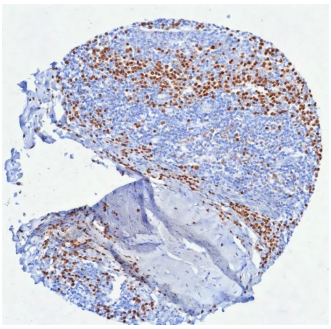
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

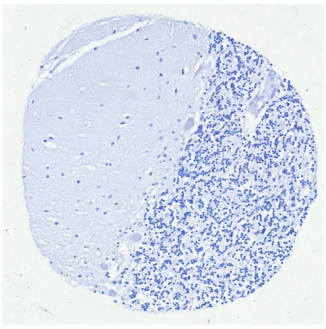
Clone	MUM1/8560R
Immunogen	Recombinant fragment (around aa431-451) of the human MUM1 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	51.77kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	Human tonsil or diffuse large B-cell lymphoma (DLBCL).

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

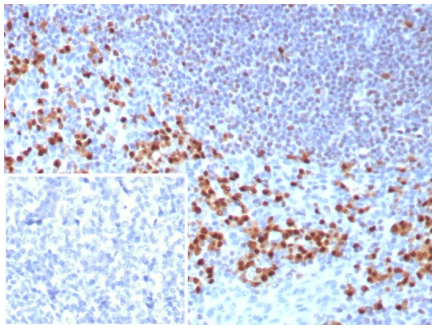
Product Images for Recombinant MUM1 / IRF4 (Transcription Factor) Antibody



Formalin-fixed, paraffin-embedded human tonsil stained with MUM1 Rabbit Monoclonal Antibody (MUM1/8560R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



F IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using MUM1/8560R 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 MUM1 RabbitMonoclonal Antibody (MUM1/8560R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

MUM1 is one of nuclear transcription factors necessary for development and activation of B lymphocytes. MUM1 belongs to the IRF gene family containing at least 10 widely expressed genes with similar DNA binding motif all involved in regulation of cell growth, transformation and induction of apoptosis as well as development of T-cell immune response. The synonym of MUM1 is Interferon Regulatory Factor 4 (IRF4). MUM1 is found mainly in B-cell lymphoma and melanocytic lesions. Significant variation in positivity mainly due to chromosomal translocations involving MUM1 gene among T-cell lymphomas is observed. MUM1 is useful in a panel with other markers for subclassification of malignant lymphomas and identification of plasma cell differentiation. Particularly MUM1 may be useful for the identification of plasma cell differentiation when morphologic evidence is lacking and Ig light chains are difficult to interpret.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide 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.

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.