

## Recombinant INSM1 (Pan-Neuroendocrine Marker) Antibody

Mouse Monoclonal Antibody [Clone rINSM1/6287]

Catalog No	Format	Size
3642-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3642-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3642-MSM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

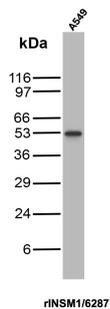
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

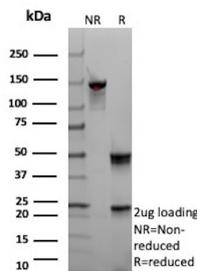
<b>Clone</b>	rINSM1/6287
<b>Gene Name</b>	INSM1
<b>Immunogen</b>	Recombinant fragment (around aa81-125) corresponding to the N-terminus of human INSM1
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	58kDa
<b>Cellular Localization</b>	Nucleus.
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human pancreas or neuroendocrine tumor. A549.

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

### Product Images for Recombinant INSM1 (Pan-Neuroendocrine Marker) Antibody



Western Blot Analysis of A549 lysates using INSM1 Recombinant Rabbit Monoclonal Antibody (rINSM1/6287).



SDS-PAGE Analysis of Purified Insulinoma-associated protein 1 Recombinant Mouse Monoclonal Antibody (rINSM1/6287). Confirmation of Purity and Integrity of Antibody.

### **Specificity & Comments**

Insulinoma-associated protein 1 (INSM1) is a developmentally regulated zinc-finger transcription factor. It localizes to the nucleus and is expressed in embryonic tissues undergoing neuroendocrine differentiation. INSM1 is not expressed in normal adult tissues but can be found highly expressed in neuroendocrine tumors. INSM1 is positive in 95% of lung small cell carcinoma and 91% of lung large cell neuroendocrine carcinoma, compared with 75% and 78% with the combined panel of traditional neuroendocrine markers (synaptophysin, chromogranin, and CD56). INSM1 stains 100% of the atypical carcinoids, typical carcinoids and paragangliomas, but only 3% of adenocarcinomas and 4% of squamous cell carcinomas. Therefore, INSM1 is sensitive and specific to be a single first-line pan-neuroendocrine marker.

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### **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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### **Supplied As**

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

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### **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.

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### **Research Areas**

Developmental Biology

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