

For Research Use Only

# YM-1+YM-2 Polyclonal antibody

Catalog Number:33153-1-AP



## Basic Information

<b>Catalog Number:</b> 33153-1-AP	<b>GenBank Accession Number:</b> NM_009892	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 310 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 12655	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O35744	
<b>Isotype:</b> IgG	<b>Full Name:</b> chitinase 3-like 3	
<b>Immunogen Catalog Number:</b> AG39745	<b>Calculated MW:</b> 44 kDa	
	<b>Observed MW:</b> 44 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse bone marrow, mouse spleen tissue
<b>Species Specificity:</b> mouse	

## Background Information

Chitinase-like protein 3 (Chil3), also called ECF-L or Ym1, is a member of chitinase-like protein family which has chemotactic activity for eosinophils (PMID: 27256220). CHIL3 promotes NSC self-renewal and commitment to the neuronal lineage. Endogenous expression of CHIL3 is observed in the neurogenic niche of the mouse brain and retina and in lesions of those injury models (PMID: 36368330). Chitinase-like protein 4 (Chil4), also called Ym2, regulates regeneration of the injured OE in vivo in both male and female mice and cell proliferation/differentiation in OE colonies in vitro (PMID: 34016714). This antibody detects both YM1 and YM2.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

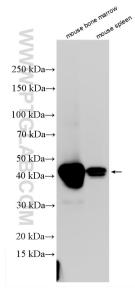
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33153-1-AP (YM-1+YM-2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.