

Lin28 Antibody

Catalog No: #25055



Package Size: #25055 100ul

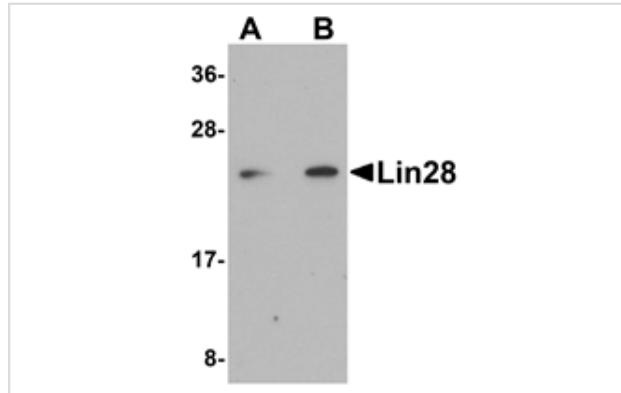
Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

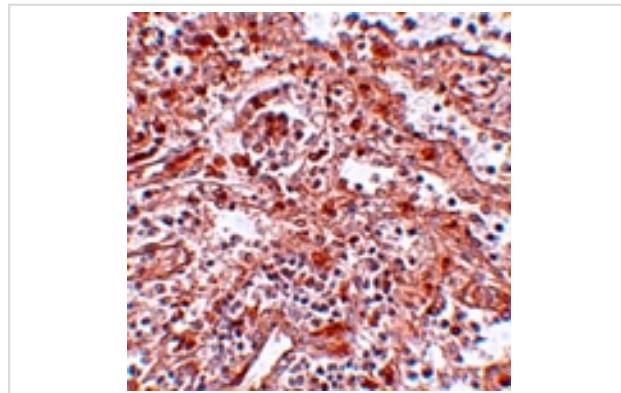
Description

Product Name	Lin28 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the carboxy terminus of human Lin28.
Target Name	Lin28
Other Names	Lin28A, CSDD1, ZCCH1
Accession No.	EAX07814
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of Lin28 in Raji cell lysate with Lin28 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of KLF4 in human spleen tissue with KLF4 antibody at 5 ug/mL.

Background

Lin28 is a transcription factor that was first identified through its key role in the pathway of developmental timing in *C. elegans*. The role of Lin28 in development suggested that it might be useful in the creation of stem cells that might be beneficial in cell replacement therapies in the treatment of several degenerative diseases. Artificial stem cells, termed induced pluripotent stem (iPS) cells, can be created by expressing Lin28 in addition to the transcription factors POU5F1, Sox2, and NANOG in mouse fibroblasts. More recently, experiments have demonstrated that iPS cells could be generated using expression plasmids expressing Lin28, Sox2, POU5F1 and c-Myc, eliminating the need for virus introduction, thereby addressing a safety concern for potential use of iPS cells in regenerative medicine.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.