

GATA3 Antibody

Catalog No: #25052

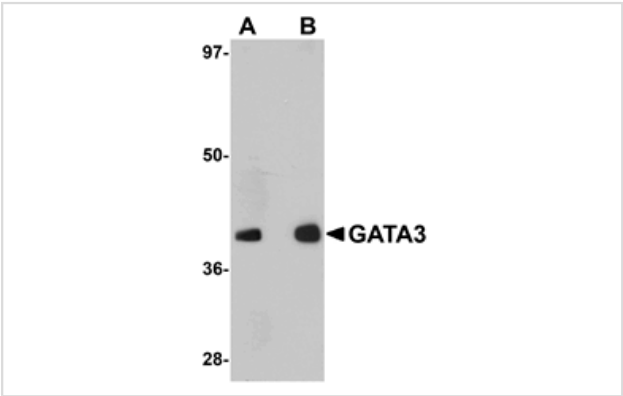


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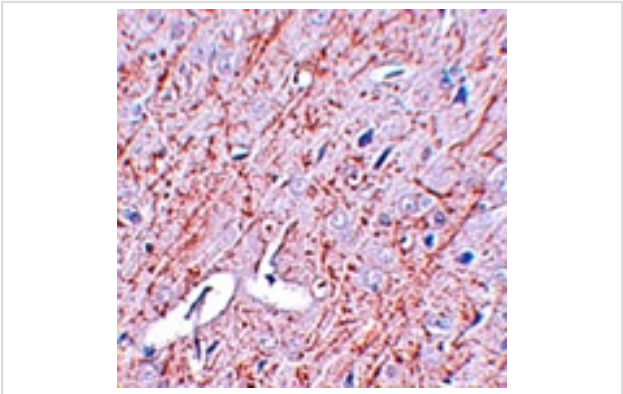
Description

Product Name	GATA3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of human GATA3.
Target Name	GATA3
Other Names	GATA binding protein 3, HDR
Accession No.	Swiss-Prot:P23771Gene ID:2625
Uniprot	P23771
GeneID	2625;
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 GATA3 in human brain tissue lysate with GATA3 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of GATA3 in rat brain tissue with GATA3 antibody at 2.5 ug/mL.

Background

GATA3 is a zinc finger transcription factor that was first recognized as a possible determinant of T cell development. Later studies demonstrated that it is expressed in trophoblast giant cells and regulates trophoblast-specific genes during development. Specifically, GATA3 is selectively expressed in the trophectoderm of the peri-implantation embryo and regulates CDX2, which is required for the transcriptional repression of the POU5F1/Oct4 and NANOG genes and is thus essential for the segregation of the inner cell mass and trophectoderm at the blastocyst stage. Decreased or null-expression expression of GATA3 has also been suggested to play a major role in the development and progression of luminal breast cancer.

Note: This product is for in vitro research use only