

## Product datasheet for **TA306922**

### GATA3 Rabbit Polyclonal Antibody

#### Product data:

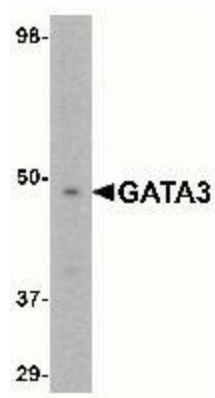
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	GATA3 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human GATA3. The immunogen is located within amino acids 340 - 390 of GATA3.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	GATA binding protein 3
Database Link:	<a href="#">NP_001002295</a> <a href="#">Entrez Gene 14462 Mouse</a> <a href="#">Entrez Gene 85471 Rat</a> <a href="#">Entrez Gene 2625 Human</a> <a href="#">P23771</a>
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.
Synonyms:	HDR; HDRS



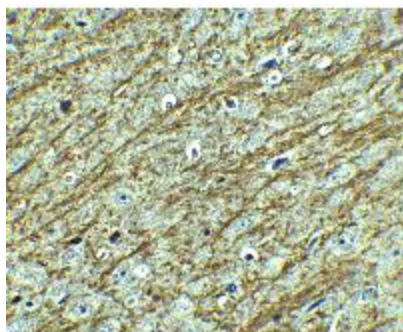
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**Protein Families:** Adult stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

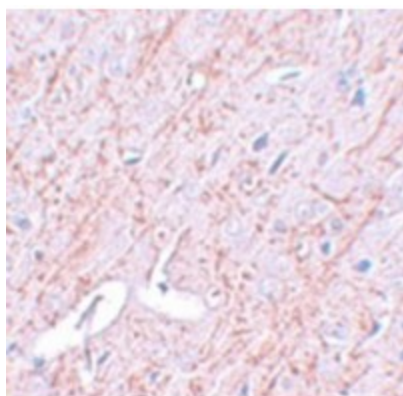
**Product images:**



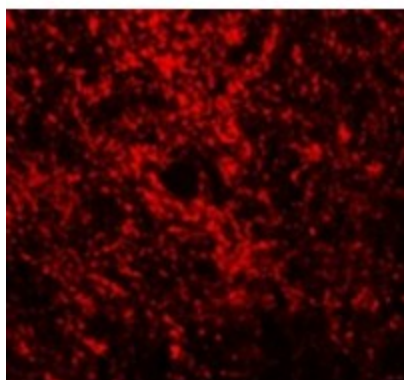
Western blot analysis of GATA3 in K562 cell lysate with GATA3 antibody at 1ug/ml.



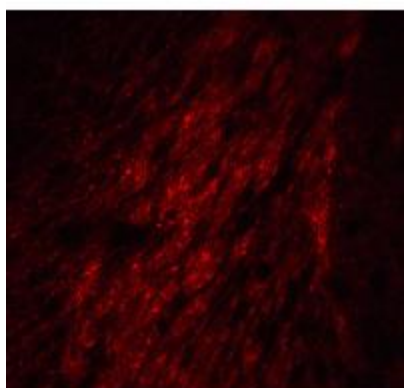
Immunohistochemistry of GATA3 in mouse brain tissue with GATA3 antibody at 2.5ug/ml.



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



Immunofluorescence of GATA3 in Rat Brain tissue with GATA3 antibody at 20ug/ml.



Immunofluorescence of GATA3 in mouse brain tissue with GATA3 Antibody at 20ug/ml.