

# GATA3 Recombinant Mouse Monoclonal Antibody (PD00-41)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG2c
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	PD00-41
Conjugate	Unconjugated
Immunogen	Synthetic peptide aa 1-50/443.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.1% BSA, 40% glycerol
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:1,000	-
Immunocytochemistry (ICC/IF)	1:50	-

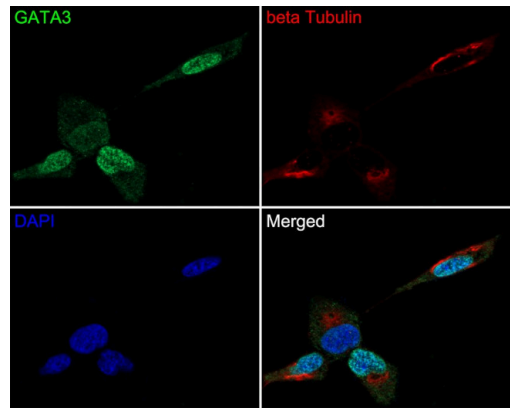
## Product Specific Information

Positive control: Hela cell lysate, human breast carcinoma tissue, human breast tissue, human kidney tissue, SH-SY5Y.

Predicted band size: 48 kDa.

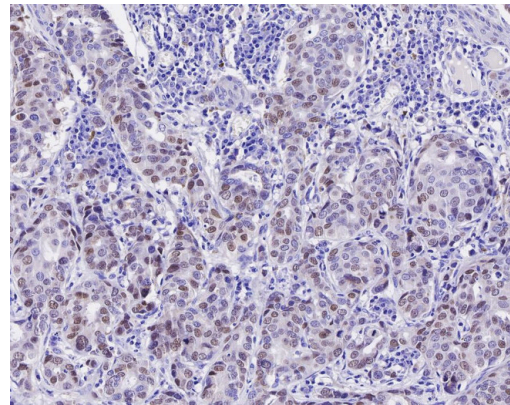
Subcellular Location: Nucleus.

Product Images For GATA3 Recombinant Mouse Monoclonal Antibody (PD00-41)



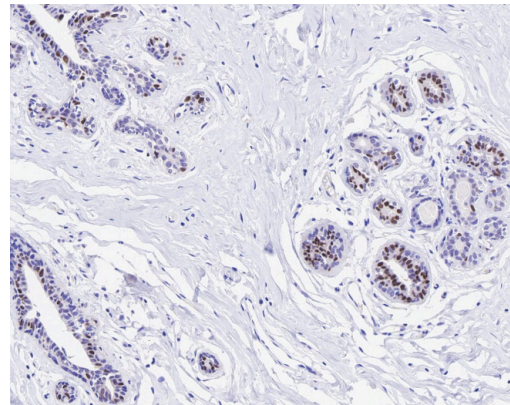
GATA3 Antibody (MA5-50660) in ICC/IF

Immunocytochemistry analysis of GATA3 in SH-SY5Y cells. Cells were fixed in 4% paraformaldehyde for 30 minutes, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were incubated with GATA3 recombinant monoclonal antibody (Product # MA5-50660) with a dilution of 1:50 in 2% negative goat serum overnight at 4 . Followed by secondary antibody Goat Anti-Mouse IgG H&L (iFluor™ 488) at a dilution of 1:1,000. Nuclear DNA was labelled in blue with DAPI, beta Tubulin was stained at a dilution of 1:100 overnight at 4. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at a dilution of 1:1,000.



GATA3 Antibody (MA5-50660) in IHC (P)

Immunohistochemistry of GATA3 in paraffin-embedded human breast carcinoma tissue. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with GATA3 recombinant monoclonal antibody (Product # MA5-50660) with a dilution of 1:1,000 for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen, and tissues were counterstained with hematoxylin and mounted with DPX.



GATA3 Antibody (MA5-50660) in IHC (P)

Immunohistochemistry of GATA3 in paraffin-embedded human breast tissue. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with GATA3 recombinant monoclonal antibody (Product # MA5-50660) with a dilution of 1:1,000 for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen, and tissues were counterstained with hematoxylin and mounted with DPX.

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