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Product datasheet for TA809142AM

GATA3 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI8E11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8E11
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 155-443 of human GATA3 (NP_001002295) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47.9 kDa
Gene Name:	GATA binding protein 3
Database Link:	NP_001002295 Entrez Gene 14462 MouseEntrez Gene 85471 RatEntrez Gene 2625 Human P23771
Background:	This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia. [provided by RefSeq, Nov 2009]

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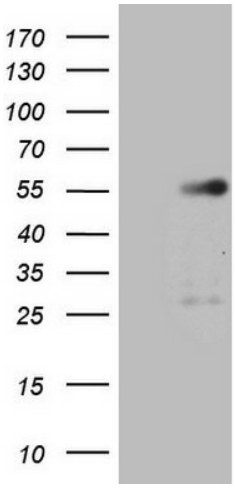
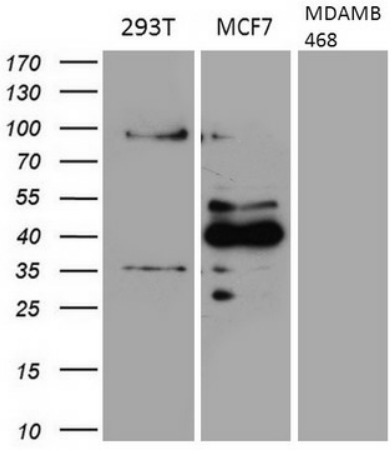
Synonyms: HDR; HDRS

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

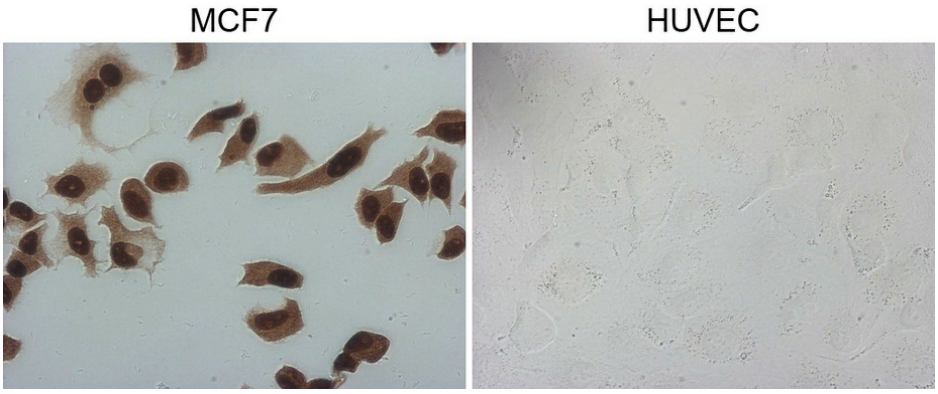
Product images:



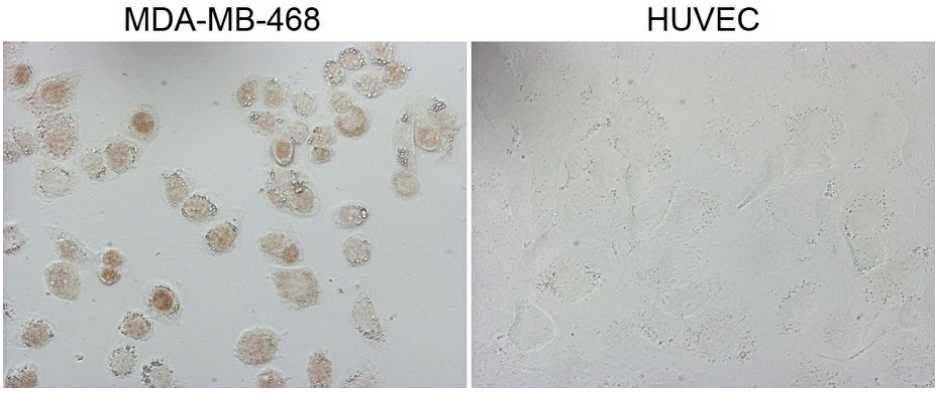
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GATA3 ([RC211904], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GATA3 (1:2000). Positive lysates [LY424146] (100ug) and [LC424146] (20ug) can be purchased separately from OriGene.



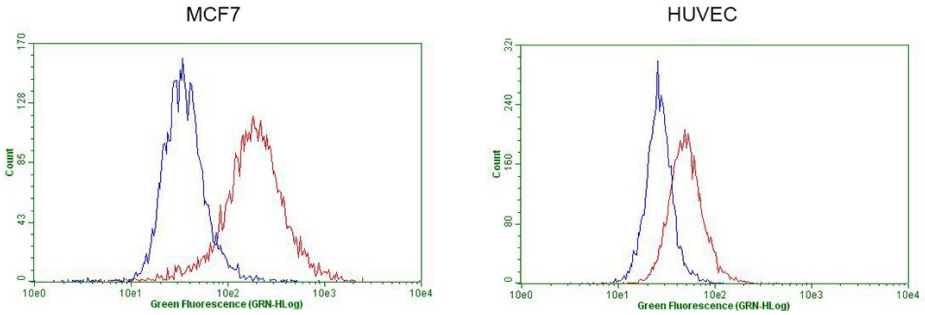
Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-GATA3 monoclonal antibody (1:200).



Immunocytochemistry staining of MCF-7 cells using anti-GATA3 mouse monoclonal antibody ([TA809142]) (Left). The right is negative control (1:1000).



Immunocytochemistry staining of MDA-MB-468 cells using anti-GATA3 mouse monoclonal antibody ([TA809142]) (Left). The right is negative control (1:1000).



Flow cytometric Analysis of penetrated MCF-7 cells, using anti-GATA3 antibody ([TA809142]), (Red), compared to a nonspecific negative control antibody, (Blue). The right is HUVEC cells as negtive control (1:100).