10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ST7 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10493c

Product Information

Application	FC, WB, E
Primary Accession	Q9NRC1
Other Accession	Q2IBD0, Q09YN2, Q2QLD7, Q99M96, Q2PG42, Q1RLU8, A0M8U1, A4D7R9, NP_060882.2
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Chicken, Zebrafish, Monkey, Mouse, Pig, Rabbit, Rat, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24081
Calculated MW	67166
Antigen Region	169-197

Additional Information

Gene ID	7982
Other Names	Suppressor of tumorigenicity 7 protein, Protein FAM4A1, Protein HELG, ST7, FAM4A1, HELG, RAY1
Target/Specificity	This ST7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-197 amino acids from the Central region of human ST7.
Dilution	FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ST7 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ST7
Synonyms	FAM4A1, HELG, RAY1

Function	May act as a tumor suppressor.
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Ubiquitously expressed, with highest levels in heart, liver and pancreas.

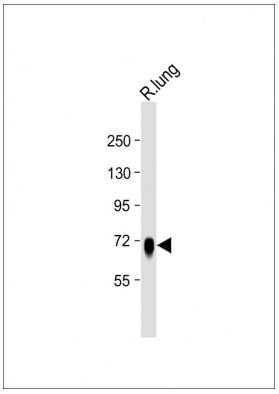
Background

The gene for this product maps to a region on chromosome 7 identified as an autism-susceptibility locus. Mutation screening of the entire coding region in autistic individuals failed to identify phenotype-specific variants, suggesting that coding mutations for this gene are unlikely to be involved in the etiology of autism. The function of this gene product has not been determined. Transcript variants encoding different isoforms of this protein have been described.

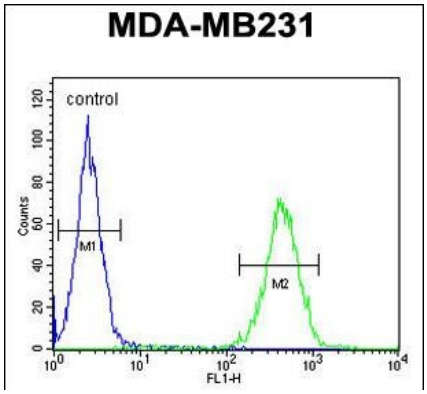
References

Bailey, S.D., et al. Diabetes Care (2010) In press : Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Guilmatre, A., et al. Arch. Gen. Psychiatry 66(9):947-956(2009) de Krom, M., et al. Biol. Psychiatry 65(7):625-630(2009)

Images



Anti-ST7 Antibody (Center) at 1:8000 dilution + Rat lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ST7 Antibody (Center) (Cat. #AP10493c) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.