SATB2 Conjugated Antibody

Catalog No: #C49685

Package Size: #C49685-AF350 100ul #C49685-AF405 100ul #C49685-AF488 100ul #C49685-AF555 100ul #C49685-AF594 100ul #C49685-AF647 100ul #C49685-AF680 100ul #C49685-AF750 100ul #C49685-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	SATB2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	DNA binding protein SATB2 antibody DNA-binding protein SATB2 antibody FLJ21474 antibody FLJ32076 antibody GLSS antibody KIAA1034 antibody MGC119474 antibody MGC119477 antibody SATB family member 2 antibody SATB homeobox 2 antibody SATB2 antibody SATB2_HUMAN antibody Special AT rich sequence binding protein 2 antibody Special AT-rich sequence-binding protein 2 antibody
Accession No.	Swiss-Prot#:Q9UPW6
Uniprot	Q9UPW6
GeneID	23314;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

SATB2 (Special AT-rich sequence-binding protein 2) is a nuclear matrix protein that influences craniofacial formation mechanisms, such as jaw and palate development, and is part of a transcriptional network regulating skeletal development and osteoblast differentiation. Highly expressed in adult and fetal brain, SATB2 contains two CUT DNA-binding domains and one homeobox domain and is closely related to SATB1, a transcriptional repressor. SATB2 is thought to bind to matrix-attachment regions (MARs) and regulate MAR-dependent transcription of various genes, including HoxA2 and ATF4 (CREB-2), involved in skeletal development. Functioning as both a transcriptional activator and repressor, SATB2 can also act as a protein scaffold that can enhance the activity of other DNA-binding proteins. Defects in the gene encoding SATB2 are the cause of cleft palate manifested in conjunction with severe mental retardation.

Note: This product is for in vitro research use only