PAX6 Conjugated Antibody

Catalog No: #C49170

Package Size: #C49170-AF350 100ul #C49170-AF405 100ul #C49170-AF488 100ul #C49170-AF555 100ul #C49170-AF594 100ul #C49170-AF647 100ul #C49170-AF680 100ul #C49170-AF750 100ul #C49170-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PAX6 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	AN 2 antibody AN antibody AN2 antibody Aniridia type II protein antibody D11S812E antibody FVH1 antibody KIAA0552 antibody Leucine zipper putative tumor suppressor 3 antibody LZTS3 antibody MGC17209 antibody MGDA antibody Oculorhombin antibody Paired box 6 antibody Paired box gene 6 (aniridia keratitis) antibody Paired Box Gene 6 antibody Paired box homeotic gene 6 antibody Paired box protein Pax-6 antibody Paired box protein Pax6 antibody PAX 6 antibody PAX6 antibody PAX6_HUMAN antibody ProSAP-interacting protein 1 antibody PROSAPIP1 antibody Sey antibody WAGR antibody
Accession No.	Swiss-Prot#:P26367
Uniprot	P26367
GeneID	5080;
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
Calculated MW	47 kDa
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

Pax genes contain paired domains with strong homology to genes in Drosophila which are involved in programming early development. Lesions in the Pax-6 gene account for most cases of aniridia, a congenital malformation of the eye, chiefly characterized by iris hypoplasia, which can cause blindness. Pax-6 is involved in other anterior segment malformations besides aniridia, such as Peters anomaly, a major error in the embryonic development of the eye with corneal clouding with variable iridolenticulocorneal adhesions. The Pax-6 gene encodes a transcriptional regulator that recognizes target genes through its paired-type DNA-binding domain. The paired domain is composed of two distinct DNA-binding subdomains, the amino-terminal subdomain and the carboxy-terminal subdomain, which bind respective consensus DNA sequences. The human Pax-6 gene produces two alternatively spliced isoforms that have the distinct structure of the paired domain.

Note: This product is for in vitro research use only