PAX9 Conjugated Antibody

Catalog No: #C49171

Package Size: #C49171-AF350 100ul #C49171-AF405 100ul #C49171-AF488 100ul #C49171-AF555 100ul #C49171-AF594 100ul #C49171-AF647 100ul #C49171-AF680 100ul #C49171-AF750 100ul #C49171-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PAX9 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	Paired box 9 antibody Paired box gene 9 antibody Paired box homeotic gene 9 antibody Paired box protein 9 antibody Paired box protein Pax 9 antibody Paired box protein Pax-9 antibody Paired box protein Pax9 antibody Paired domain gene 9 antibody PAX 9 antibody PAX9 antibody PAX9_HUMAN antibody STHAG3 antibody
Accession No.	Swiss-Prot#:P55771
Uniprot	P55771
GeneID	5083;
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	36 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 Droso-phila which are involved in programming early development. Pax-9, a member of the paired box-containing gene family, is closely related in its paired do-main to Pax-1. The Pax-9 gene encodes the highly conserved paired domain and the gene is a member of the same subgroup as Pax-1/undulated. Pax-9 is essential for the development of a variety of organs and skeletal elements. Mutations in either the Pax-1 or the Pax-9 genes may produce an inherited skeletal disorder such as the Jarcho-Levin syndrome or other forms of spondylocostal dysplasia, conditions resembling oΩ½oΩ½undulatedoΩ½oΩ½ in the mouse. A frameshift mutation within the paired domain of Pax-9 was identified in a family segregating autosomal dominant oligodontia whose members had normal primary dentition but lacked most permanent molars. In addition to lack of permanent molars, some individuals also lacked maxillary and/or mandibular second premolars, as well as mandibular central incisors. The gene which encodes Pax-9 maps to human chromosome 14q12-q13.

Note: This product is for in vitro research use only