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36-1527: Monoclonal Antibody to PAX6 (Stem Cell Marker)(Clone: PAX6/498)

Clone Name: Monoclonal
Clone Name: PAX6/498
Application: FACS,IF,WB

Reactivity: Human, Mouse, Rat

 Gene :
 PAX6

 Gene ID :
 5080

 Uniprot ID :
 P26367

 Format :
 Purified

 Alternative Name :
 PAX6,AN2

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant fragment (N-terminus; aa 1-300) of human PAX6 protein

Description

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.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

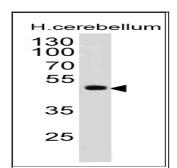
Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Flow Cytometry (0.5-1ug/million cells); ,Immunofluorescence (0.5-1ug/ml); ,Western Blot (1-2ug/ml);,



Western Blot of human Cerebellum Lysate using PAX6 Monoclonal Antibody (PAX6/498).