

Nur für Forschungszwecke

P5CS Monoklonaler Antikörper

Katalog-Nr.:68184-1-Ig



Allgemeine Informationen

Katalog-Nr.: 68184-1-Ig	GenBank-Zugangsnummer: BC106054	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 1000 µg/ml von5832 Nanodrop;	GeneID (NCBI): 5832	CloneNo.: 3B1E11
Wirt: Maus	Vollständiger Name: aldehyde dehydrogenase 18 family, member A1	Empfohlene Verdünnungen: WB 1:5000-1:50000
Isotyp: IgG2b	Berechnete Masse: 795 aa, 87 kDa	
Immunogen Katalognummer: AG12100	Beobachtete Masse: 87 kDa	

Anwendungen

Geprüfte Anwendungen:
WB, ELISA

Getestete Reaktivität:
Human, Maus, Ratte

Positivkontrollen:

WB : U2OS-Zellen, A549-Zellen, HeLa-Zellen, HepG2-Zellen, K-562-Zellen, LNCaP-Zellen, Maus-Kolongewebe, MCF-7-Zellen, Ratten-Kolongewebe

Hintergrundinformationen

Delta 1-pyrroline-5-carboxylate synthetase (P5CS), also named as GSAS, P5CS, PYCS, catalyzes the ATP and the NAD(P)H-dependent conversion of L-glutamate to glutamic gamma-semialdehyde (GSA) which is the metabolic precursor for proline biosynthesis(PMID:8761662). This protein includes 2 domains: glutamate 5-kinase and gamma-glutamyl phosphate reductase. In the N-terminal section, it belongs to the glutamate 5-kinase family and in the C-terminal section, it belongs to the gamma-glutamyl phosphate reductase family. Defects in ALDH18A1 are the cause of cutis laxa, autosomal recessive, type 3A (ARCL3A)(PMID:18478038). It has 2 isoforms produced by alternative splicing.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

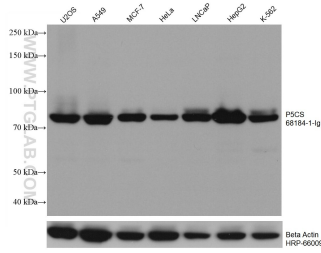
For technical support and original validation data for this product please contact:

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Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 68184-1-Ig (P5CS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.