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# Rabbit Anti-ALS2CR4 antibody

SL7958R

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| **Product Name:** | ALS2CR4 |
| **Chinese Name:** | 肌萎缩侧索硬化症相关蛋白4抗体 |
| **Alias:** | ALS2CR4 protein, N terminus truncated; Amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 4; TM237_HUMAN. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human,Mouse,Rat,Pig,Horse,Rabbit,Sheep, |
| **Applications:** | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 45kDa |
| **Cellular localization:** | The cell membrane |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human ALS2CR4:156-250/408 |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |
| **Product Detail:** | The protein encoded by this gene is a tetraspanin protein that is thought to be involved in WNT signaling. Defects in this gene are a cause of Joubert syndrome-14. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012].<br><br>**Function:** |

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| | Component of the transition zone in primary cilia. Required for ciliogenesis.<br><br>**Subcellular Location:**<br>Membrane; Multi-pass membrane protein (Potential). Cell projection, cilium. Note=Localizes at the proximal region of primary cilia were observed, consistent with localization to the transition zone. Anchored to the transition zone by RPGRIP1L.<br><br>**DISEASE:**<br>Defects in TMEM237 are the cause of Joubert syndrome type 14 (JBTS14) [MIM:614424]. An autosomal recessive disorder characterized by severe mental retardation, hypotonia, breathing abnormalities in infancy, and dysmorphic facial features. Neuroradiologically, it is characterized by cerebellar vermian hypoplasia/aplasia, thickened and reoriented superior cerebellar peduncles, and an abnormally large interpeduncular fossa, giving the appearance of a molar tooth on transaxial slices (molar tooth sign). Additional variable JBTS14 features include renal disease, abnormal eye movements, and postaxial polydactyly.<br><br>**Similarity:**<br>Belongs to the TMEM237 family.<br><br>**SWISS:**<br>Q96Q45<br><br>**Gene ID:**<br>65062<br><br>**Database links:**<br><br>Entrez Gene: 65062Human<br><br>Entrez Gene: 381259Mouse<br><br>SwissProt: Q96Q45Human<br><br>SwissProt: Q3V0J1Mouse<br><br>**Important Note:**<br>This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |