

Anti-LRFN2 Antibody

Catalog Number: A11623-1

About LRFN2

LRFN2, also known as SALM1. It is mainly located in cell membrane and cytoplasm, and it is expressed at the synaptic contact at the base of cone cells, especially at the base of presynaptic endings, which is closely related to the dendrites of OFF bipolar cells (PMID: 40251167). In mammals, LRFN2 is mainly expressed in cone cells, but not in rod cells, and its expression in other retinal neurons is limited. In addition, the expression level in embryonic nerve cells is relatively low, mainly in more mature cells. LRFN2 plays a key role in synaptic transmission between cone cells and OFF bipolar cells. It can maintain the physical connection between cone cells and OFF bipolar cells, and gather glutamate receptors at the postsynaptic membrane to ensure strong dendritic transmission in OFF pathway, thus participating in the transmission of visual signals, which is very important for the coding of visual contrast and the defense behavior driven by looming. In bladder cancer, the increased expression of LRFN2 will inhibit the infiltration and functional transformation of CD8+ T cells, thus weakening the anti-tumor immune response, leading to bladder cancer resistance to immune checkpoint inhibitors, and its high expression is related to the poor prognosis of bladder cancer patients (PMID:37802603).

Overview

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| Product Name | Anti-LRFN2 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-LRFN2 Antibody catalog # A11623-1. Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, WB |
| Clonality | Polyclonal |
| Formulation | 500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | Q9ULH4 |

Technical Details

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| Immunogen | E.coli-derived human LRFN2 recombinant protein (Position: E373-S483). |
| Form | Liquid |
| Concentration | 500 ug/ml |

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|---------------------|---|
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Western blot, 1:500-2000 ELISA, 1:100-1000 |

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