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**[ Marker Primary Antibody ]**

# Rabbit Anti-Calcineurin B/AF647 Conjugated antibody

**Catalog Number: SL11246R-AF647**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | Anti-Calcineurin B/AF647 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human Calcineurin B/PP2B-B1 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **Applications:** | IF=1:100-500<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human,Mouse(predicted:Rat,Pig,Cow,Rabbit) |
| **Background:** | background: In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions including division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the protein phosphatases. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Four major families of protein phosphatase catalytic subunit have been identified, designated PP1, PP2A, PP2B and PP2C. An additional protein phosphatase catalytic subunit, PPX (also known as PP4), is a putative member of a novel PP family. The PP2B family comprises subfamily members PP2B-A alpha, PP2B-A Beta and PP2B-A Gamma. Two additional regulatory subunits been identified, designated PP2B-B1 and PP2B-B2.<br>**Function:** Regulatory subunit of calcineurin, a calcium-dependent, calmodulin stimulated protein phosphatase. Confers calcium sensitivity. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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| | **Subunit:** Composed of a catalytic subunit (A) and a regulatory subunit (B).<br>**Similarity:** Belongs to the calcineurin regulatory subunit family.<br>Contains 4 EF-hand domains.<br>**Database links:**<br>**Entrez Gene:** 5534 Human<br>**Entrez Gene:** 19058 Mouse<br>**Entrez Gene:** 29748 Rat<br>Omim: 601302 Human<br>**SwissProt:** P63098 Human<br>**SwissProt:** Q63810 Mouse<br>**SwissProt:** P63100 Rat<br>**Unigene:** 280604 Human<br>**Unigene:** 41840 Mouse<br>**Unigene:** 42903 Rat<br>Important<br>**Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

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