

产品名称: IGF-IIR (phospho Ser2409) Rabbit Polyclonal Antibody  
产品货号: APRab04820



## 产品概述 (Summary)

|                        |                                                      |
|------------------------|------------------------------------------------------|
| 产品名称 (Production Name) | IGF-IIR (phospho Ser2409) Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody                           |
| 宿主 (Host)              | Rabbit                                               |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA                                  |
| 种属反应性 (Reactivity)     | Human,Mouse,Monkey                                   |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Phosphorylated                                                                                    |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | IGF2R                                                                                                                                                                                                                                           |
| 别名 (Alternative Names) | IGF2R; MPRI; Cation-independent mannose-6-phosphate receptor; CI Man-6-P receptor; CI-MPR; M6PR; 300 kDa mannose 6-phosphate receptor; MPR 300; Insulin-like growth factor 2 receptor; Insulin-like growth factor II receptor; IGF-II receptor; |
| 基因 ID (Gene ID)        | 3482.0                                                                                                                                                                                                                                          |
| 蛋白 ID (SwissProt ID)   | P11717.The antiserum was produced against synthesized peptide derived from human IGF2R around the phosphorylation site of Ser2409. AA range:2381-2430                                                                                           |

## 产品应用 (Application)

**产品名称: IGF-IIR (phospho Ser2409) Rabbit Polyclonal Antibody**  
**产品货号: APRab04820**



**稀释比 (Dilution Ratio)** WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000  
**蛋白分子量 (Molecular Weight)** 300kDa

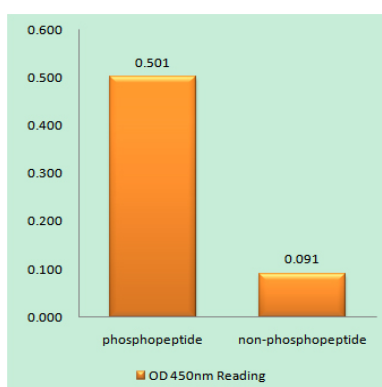
## 研究背景 (Background)

This gene encodes a receptor for both insulin-like growth factor 2 and mannose 6-phosphate. The binding sites for each ligand are located on different segments of the protein. This receptor has various functions, including in the intracellular trafficking of lysosomal enzymes, the activation of transforming growth factor beta, and the degradation of insulin-like growth factor 2. Mutation or loss of heterozygosity of this gene has been association with risk of hepatocellular carcinoma. The orthologous mouse gene is imprinted and shows exclusive expression from the maternal allele; however, imprinting of the human gene may be polymorphic, as only a minority of individuals showed biased expression from the maternal allele (PMID:8267611). [provided by RefSeq, Nov 2015],domain:Contains 15 repeating units of approximately 147 AA. The most highly conserved region within the repeat consists of a stretch of 13 AA that contains cysteines at both ends.,function:Transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes. Lysosomal enzymes bearing phosphomannosyl residues bind specifically to mannose-6-phosphate receptors in the Golgi apparatus and the resulting receptor-ligand complex is transported to an acidic prelysosomal compartment where the low pH mediates the dissociation of the complex. This receptor also binds IGF2.,similarity:Belongs to the MRL1/IGF2R family.,similarity:Contains 1 fibronectin type-II domain.,subunit:Binds GGA1, GGA2 and GGA3.,

## 研究领域 (Research Area)

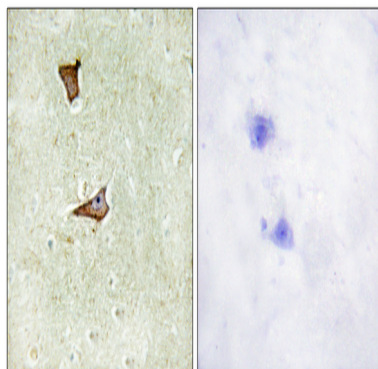
Lysosome;

## 图片 (Image Data)

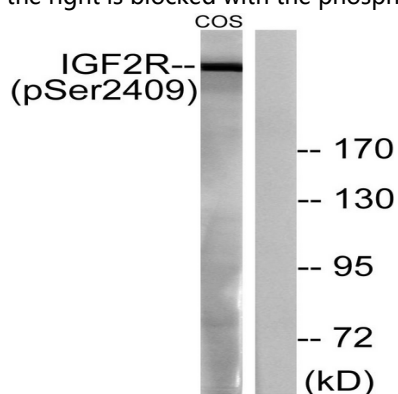


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using IGF2R (Phospho-Ser2409) Antibody

产品名称: IGF-IIR (phospho Ser2409) Rabbit Polyclonal Antibody  
产品货号: APRab04820



Immunohistochemistry analysis of paraffin-embedded human brain, using IGF2R (Phospho-Ser2409) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells treated with UV 15', using IGF2R (Phospho-Ser2409) Antibody. The lane on the right is blocked with the phospho peptide.

### 注意事项 (Note)

For research use only .