∗ abeomics

35-1264: Polyclonal Antibody to PKR (Phospho-Thr451)

Clonality :	Polyclonal
Application :	IHC
Reactivity :	Human
Gene :	EIF2AK2
Gene ID :	5610
Uniprot ID :	P19525
Format :	Purified
Alternative Name :	ADRB2, E2AK2, EIF2AK2, EIF2aK, PRKR
lsotype :	Rabbit IgG
Immunogen Information	Peptide sequence around phosphorylation site of threonine 451 (K-G-T(p)-L-R) derived from Human PKR.

Description

Following activation by double-stranded RNA in the presence of ATP, the kinase becomes autophosphorylated and can catalyze the phosphorylation of the translation initiation factor EIF2S1, which leads to an inhibition of the initiation of protein synthesis. Double-stranded RNA is generated during the course of a viral infection. Ingrid K. Ruf, et,al. (2005) J. Virol ; 79: 14562 - 14569. Christy M. Hebner, et,al. (2006) J. Gen. Virol ; 87: 3183 - 3193. Rika van Huizen, et,al. (2003) J. Biol. Chem ; 278: 15558 - 15564.

Product Info	
Amount :	50 μl / 100 μl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 68kd, Immunohistochemistry: 1:50~1:100



Figure 1: Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using PKR(Phospho-Thr451) Antibody 35-1264 (left) or the same antibody preincubated with blocking peptide(right).

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