MCHR1 Antibody

PACO19997

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:5000, WB:1:500-1:2000, IHC:1:50-1:200

Protein Background:

Key transcriptional regulator of type I interferon (IFN)-dependent immune responses which plays a critical role in the innate immune response against DNA and RNA viruses. Regulates the transcription of type I IFN genes (IFN-alpha and IFN-beta) and IFN-stimulated genes (ISG) by binding to an interferon-stimulated response element (ISRE) in their promoters. Acts as a more potent activator of the IFN-beta (IFNB) gene than the IFN-alpha (IFNA) gene and plays a critical role in both the early and late phases of the IFNA/B gene induction. Found in an inactive form in the cytoplasm of uninfected cells and following viral infection, double-stranded RNA (dsRNA), or toll-like receptor (TLR) signaling, is phosphorylated by IKBKE and TBK1 kinases. This induces a conformational change, leading to its dimerization and nuclear localization and association with CREB binding protein (CREBBP) to form dsRNA-activated factor 1 (DRAF1), a complex which activates the transcription of the type I IFN and ISG genes.

Gene ID:

MCHR1

Uniprot

Q99705

Synonyms:
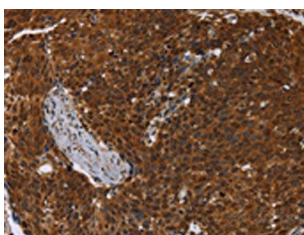
melanin-concentrating hormone receptor 1

Immunogen:

Synthetic peptide of human MCHR1.

Storage:

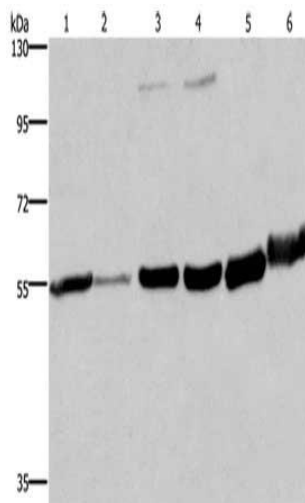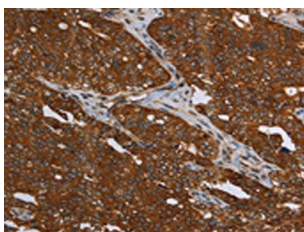-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product Images

The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using PACO19997(MCHR1 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).

Gel: 8%SDS-PAGE, Lysate: 40 ug, Lane 1-6: Human fetal liver tissue, Human testis tissue, 293T cells, A172 cells, mouse brain tissue, human fetal brain tissue, Primary antibody: PACO19997(MCHR1 Antibody) at dilution 1/350, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 1 minute.

The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using PACO19997(MCHR1 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).