SEMA3D Antibody

PACO18887

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, IHC

Recommended dilutions:

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

Protein Background:

Single stranded DNA-dependent ATP-dependent helicase. Has a role in chromosome translocation. The DNA helicase II complex binds preferentially to fork-like ends of double-stranded DNA in a cell cycle-dependent manner. It works in the 3-5 direction. Binding to DNA may be mediated by XRCC6. Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. The XRCC5/6 dimer acts as regulatory subunit of the DNA-dependent protein kinase complex DNA-PK by increasing the affinity of the catalytic subunit PRKDC to DNA by 100-fold. The XRCC5/6 dimer is probably involved in stabilizing broken DNA ends and bringing them together. The assembly of the DNA-PK complex to DNA ends is required for the NHEJ ligation step. Required for osteocalcin gene expression. Probably also acts as a 5deoxyribose-5-phosphate lyase (5-dRP lyase), by catalyzing the beta-elimination of the 5 deoxyribose-5-phosphate at an abasic site near double-strand breaks.

Gene ID:

SEMA3D

Uniprot

O95025

Synonyms:

sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D

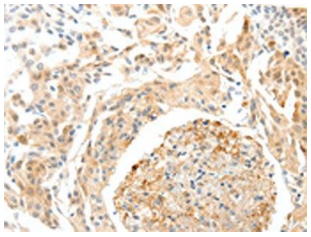
Immunogen:

Synthetic peptide of human SEMA3D.

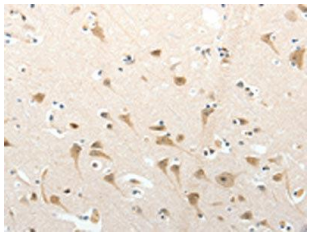
Storage:

-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 PACO18887(SEMA3D Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: x—200).



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using PACO18887(SEMA3D Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: x—200).