

For Research Use Only

SOX9 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86714-3-PBS



Basic Information

Catalog Number:

86714-3-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26274

GenBank Accession Number:

NM_000346

GeneID (NCBI):

6662

UNIPROT ID:

P48436

Full Name:

SRY (sex determining region Y)-box 9

Calculated MW:

56 kDa

Observed MW:

56 kDa

Purification Method:

Protein A purification

CloneNo.:

253046H2

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

SOX9, also named as Transcription factor SOX-9, is a 509 amino acid protein. Sex-determining region Y (SRY)-box 9 protein (SOX9) is a member of the SOX family of transcription factors (TFs) which are developmental regulators that possess high mobility group (HMG) box DNA binding and transactivation domains. It participates in a variety of functions, such as lineage restriction and terminal differentiation, through precise temporal and spatial expression patterns that differ between particular cell types and tissues. SOX9 gene has been implicated in different types of cancer as an oncogene; however, it also may behave as a tumor suppressor. SOX9 can be ubiquitinated or SUMOylated to higher molecular weight (PMID: 24155239; 16307912; 16554309; 32070068)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

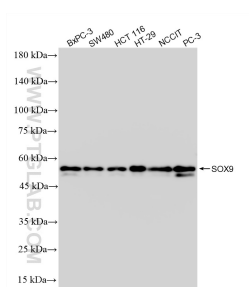
For technical support and original validation data for this product please contact:

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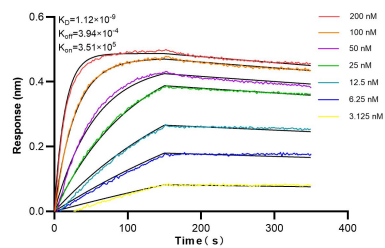
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86714-3-RR (SOX9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86714-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86714-3-RR against Human SOX9 were performed. The affinity constant is 1.12 nM.