STEAP2 Polyclonal antibody

Catalog Number:24804-1-AP

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Basic Information

Catalog Number:
24804-1-AP

Size:
550 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG20293

GenBank Accession Number:
BC148824

GeneID (NCBI):
261729

UNIPROT ID:
Q8NFT2

Full Name:
six transmembrane epithelial antigen
of the prostate 2

Calculated MW:
490 aa, 56 kDa

Observed MW:
56 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:800-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : DU 145 cells, HEK-293T cells, U2OS cells

IHC : human colon cancer tissue,

Background Information

STEAP2, also named as PCANAP1 and STAMP1, belongs to the STEAP family. It is a metalloreductase that has the ability to reduce both Fe^{3+} to Fe^{2+} and Cu^{2+} to Cu^{1+}. STEAP2 uses NAD+ as acceptor.

Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data
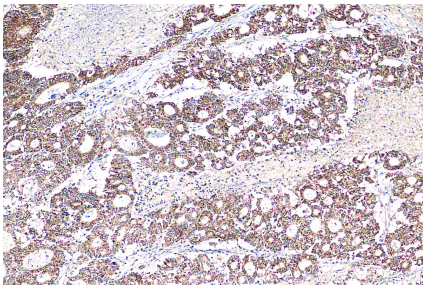
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24804-1-AP (STEAP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
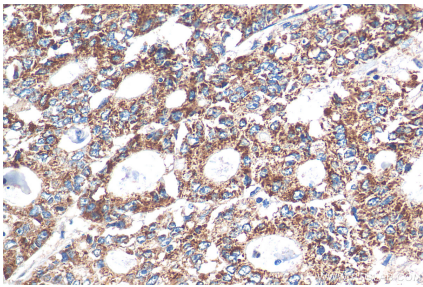
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24804-1-AP (STEAP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
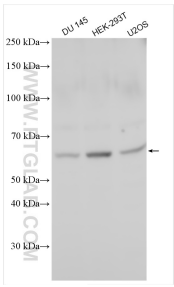
Various lysates were subjected to SDS PAGE followed by western blot with 24804-1-AP (STEAP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.