

Anti-C-Kit Antibody (7A806)

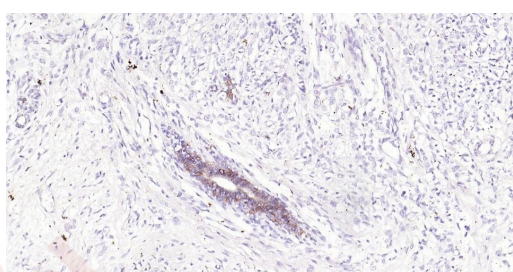
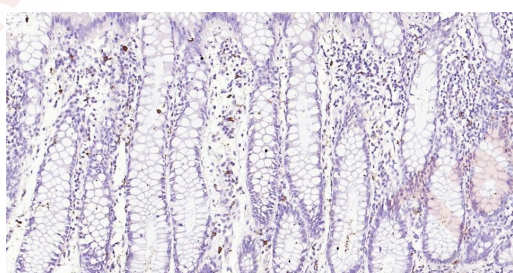
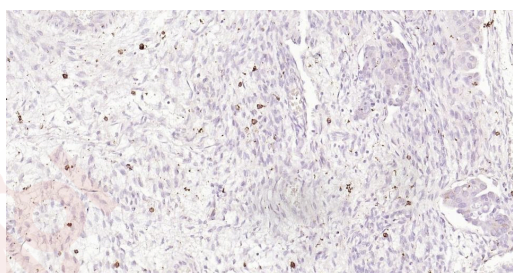
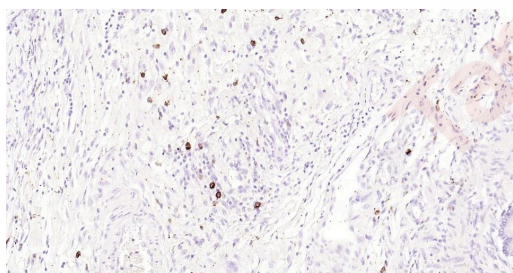
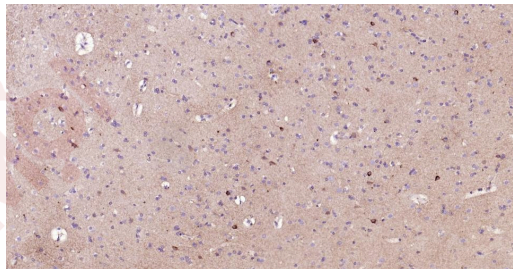
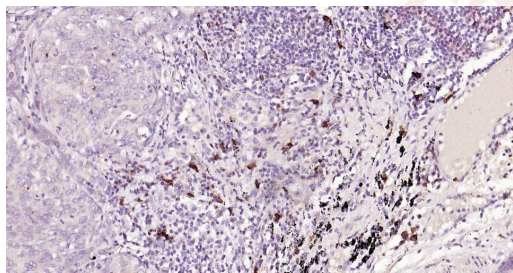
Product Details

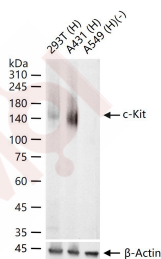
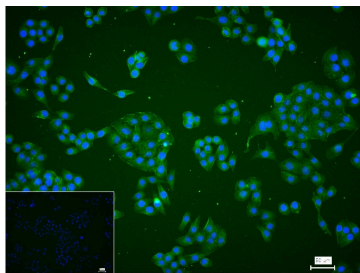
Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 105 kDa. Actual: 140 kDa.
Clone:	7A806
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with c-Kit Monoclonal Antibody, Unconjugated (TMAB-00436) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Human Glioma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with c-Kit Monoclonal Antibody, Unconjugated (TMAB-00436) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with c-Kit Monoclonal Antibody, Unconjugated (TMAB-00436) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Ovarian Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with c-Kit Monoclonal Antibody, Unconjugated (TMAB-00436) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with c-Kit Monoclonal Antibody, Unconjugated (TMAB-00436) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with c-Kit Monoclonal Antibody, Unconjugated (TMAB-00436) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
7. 4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at RT for 20 min; Antibody incubation with (c-Kit) monoclonal Antibody, unconjugated (TMAB-00436) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nucleus. PBS instead of the primary antibody was used as the blank control.
8. 25 µg total protein per Lane of various lysates probed with c-Kit monoclonal antibody, unconjugated (TMAB-00436) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.

Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended IF=1:200-1000; IHC-Fr=1:200-1000; IHC-P=1:200-1000; WB=1:1000-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human c-Kit protein, around C-terminal 200aa

Antigen Species: Human

Gene ID: 3815

Uniprot ID: P10721

Synonyms: v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog;SCFR;c-kit;CD117;PBT

Biology Area: Growth factor receptors,Receptor tyrosine kinases,Hematopoietic system development,Germ cell markers,Cytokines,Tyrosine Kinase Receptors,Receptor Tyrosine Kinases,Embryonic Germ Cells,HSC markers,Mast Cell Lineage,Surface Molecules,Tumor Associated

Research Background

c-Kit is a transmembrane tyrosine kinase encoded by the cKit proto oncogene. c-Kit acts to regulate a variety of biological responses including cell proliferation, apoptosis, chemotaxis and adhesion. Ligand binding to the extracellular domain leads to autophosphorylation on several tyrosine residues within the cytoplasmic domain, and activation. Mutations in c-Kit have been found to be important for tumor growth and progression in a variety of cancers including mast cell diseases, gastrointestinal stromal tumor, acute myeloid leukemia, Ewing sarcoma and lung cancer. Phosphorylation at tyrosine 721 of c-Kit allows binding and activation of PI3 kinase.

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