Anti-Canine CD117/c-Kit pAb

Catalog NO.: A29033

Basic Information

Observed MW

Calculated MW
110 kDa/109 kDa

Category
Polyclonal Antibodies

Applications
IHC-P

Cross-Reactivity
Dog (Canine)

Conjugation
Unconjugated

Background

This gene encodes a receptor tyrosine kinase. This gene was initially identified as a homolog of the feline sarcoma viral oncogene v-kit and is often referred to as proto-oncogene c-Kit. The canonical form of this glycosylated transmembrane protein has an N-terminal extracellular region with five immunoglobulin-like domains, a transmembrane region, and an intracellular tyrosine kinase domain at the C-terminus. Upon activation by its cytokine ligand, stem cell factor (SCF), this protein phosphorylates multiple intracellular proteins that play a role in in the proliferation, differentiation, migration and apoptosis of many cell types and thereby plays an important role in hematopoiesis, stem cell maintenance, gametogenesis, melanogenesis, and in mast cell development, migration and function. This protein can be a membrane-bound or soluble protein. Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

IHC-P	1:50-1:200

Immunogen Information

Gene ID
403811

Swiss Prot
O97799

Immunogen
This information is considered to be commercially sensitive.

Synonyms
PBT; SCFR; C-Kit; CD117; MASTC

Contact

Product Information

☒ | order@abclonal.com

☒ | service@abclonal.com

☒ | www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% Proclin300,50% glycerol,pH7.3.

For research use only. Not for therapeutic or diagnostic purposes.

Please visit **https://abclonal.com** for a complete list of recommended products.