

Product datasheet for **TA308875**

Factor IX (F9) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | IHC:1:100-1:1000; WB:1:500-1:3000 |
| Reactivity: | Human (Predicted: Mouse, Dog, Monkey, Pig, Rabbit, Rat, Bovine) |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Recombinant fragment corresponding to a region within amino acids 217 and 453 of Factor IX (Uniprot ID#P00740) |
| Formulation: | 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative. |
| Concentration: | lot specific |
| Purification: | Purified by antigen-affinity chromatography. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 52 kDa |
| Gene Name: | coagulation factor IX |
| Database Link: | NP_000124 Entrez Gene 14071 Mouse Entrez Gene 24946 Rat Entrez Gene 404015 Dog Entrez Gene 695578 Monkey Entrez Gene 2158 Human P00740 |



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Background:

This gene encodes vitamin K-dependent coagulation factor IX that circulates in the blood as an inactive zymogen. This factor is converted to an active form by factor XIa, which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with Ca²⁺ ions, membrane phospholipids, and factor VIII. Alterations of this gene, including point mutations, insertions and deletions, cause factor IX deficiency, which is a recessive X-linked disorder, also called hemophilia B or Christmas disease. [provided by RefSeq]

Synonyms:

FIX; HEMB; P19; PTC; THPH8

Note:

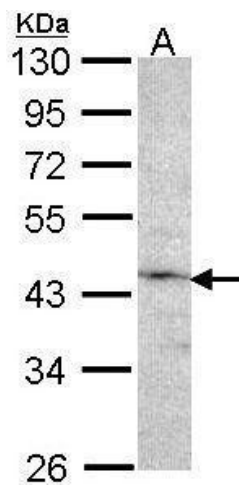
Seq homology of immunogen across species: Mouse (80%), Dog (87%), Monkey (96%), Pig (87%), Rabbit (82%), Rat (82%), Bovine (82%)

Protein Families:

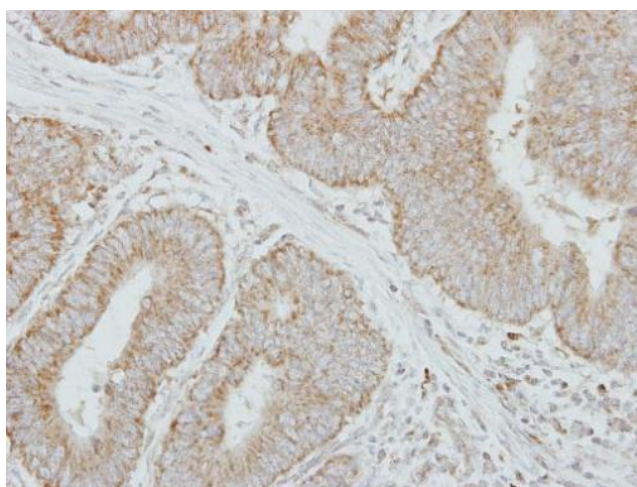
Druggable Genome, Protease, Secreted Protein

Protein Pathways:

Complement and coagulation cascades

Product images:

Sample (30 ug of whole cell lysate). A: 293T. 10% SDS PAGE. TA308875 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded Colon ca, using Factor IX (TA308875) antibody at 1:250 dilution.