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Datasheet for ABIN7117684 anti-POLR3K antibody

Overview

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|--------------|---|
| Quantity: | 100 µg |
| Target: | POLR3K |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

| | |
|---------------|---|
| Immunogen: | polymerase(RNA) III(DNA directed) polypeptide K, 12.3 kDa |
| Isotype: | IgG |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95 % as determined by SDS-PAGE |

Target Details

| | |
|-------------------|--|
| Target: | POLR3K |
| Alternative Name: | POLR3K (POLR3K Products) |
| Background: | Synonyms:C11, C11 RNP3, hRPC11, HsC11p, My010, POLR3K, RNA polymerase III subunit C10, RNA polymerase III subunit C11, RPC10, RPC11, RPC12.5 Background:DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Plays a key role in sensing and limiting infection by intracellular |

Target Details

bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts, such as Epstein-Barr virus-encoded RNAs(EBERs) induce type I interferon and NF-Kappa-B through the RIG-I pathway(By similarity).

Molecular Weight: 12 kDa

Gene ID: 51728

UniProt: [Q9Y2Y1](#)

Application Details

Application Notes: WB: 1:500-1:5000, IHC: 1:20-1:200, IF: 1:50-1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months