

Product Information

Size:

50ug

Protein Background:

Dioxygenase that repairs alkylated DNA containing 1-methyladenine (1meA) and 3-methylcytosine (3meC) by oxidative demethylation. Has a strong preference for single-stranded DNA. Able to process alkylated 3mC within double-stranded regions via its interaction with ASCC3, which promotes DNA unwinding to generate single-stranded substrate needed for ALKBH3. May also act on RNA. Requires molecular oxygen, alpha-ketoglutarate and iron.

Reactivity:

Human

Source:

Rabbit

Gene ID:**Isotype:**

IgG

ALKBH3

Applications:

ELISA, IHC, IF

Uniprot**Recommended dilutions:**

ELISA:1:2000-1:10000, IHC:1:20-1:200,
IF:1:50-1:200

Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3 (EC 1.14.11.54) (Alkylated DNA repair protein alkB homolog 3) (hABH3) (DEPC-1) (Prostate cancer antigen 1), ALKBH3, ABH3 DEPC1

Synonyms:

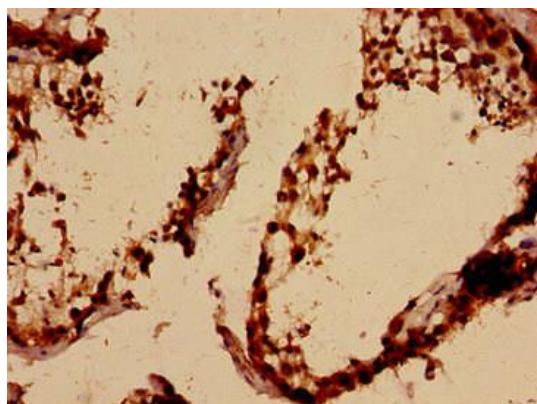
Recombinant Human Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3 protein (1-170AA).

Immunogen:

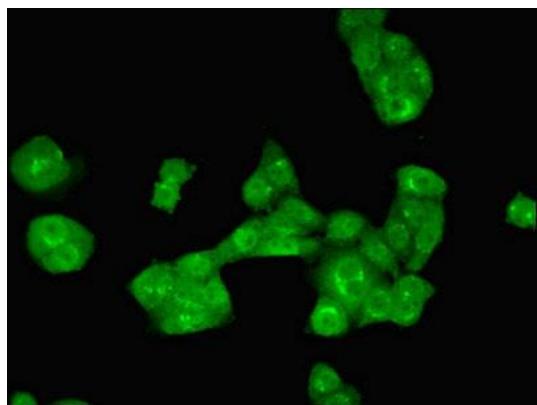
Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

Storage:

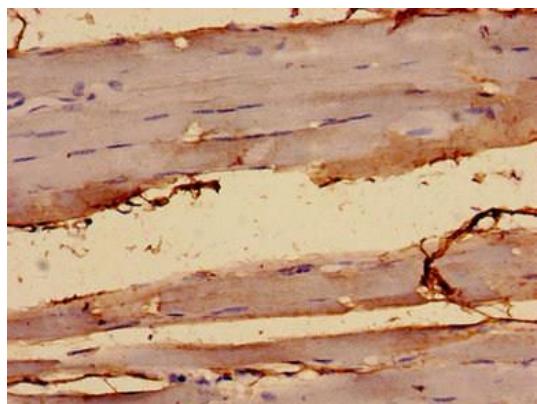
Product Images



Immunohistochemistry analysis of human testis tissue using PACO39350 at dilution of 1:100.



Immunofluorescent analysis of PC-3 cells using PACO39350 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunocytochemistry analysis of human skeletal muscle tissue using PACO39350 at dilution of 1:100.