[KO Validated] S100A6 Rabbit Polyclonal Antibody



CAB4104

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

10kDa

Calculated MW:

10kDa

Applications:

WB IHC IF IP

Reactivity:

Human, Mouse, Rat

Protein Background

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca2+-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma.

Immunogen information

Gene ID:

6277

Uniprot

P06703

Synonyms:

S100A6; 2A9; 5B10; CABP; CACY; PRA

Antibody Information

Recommended dilutions:

WB 1:200 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:20 - 1:50

Source: Rabbit

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-90 of human S100A6 (NP_055439.1).

Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

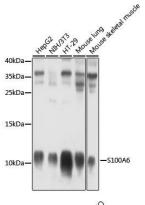
sodium azide, 50% glycerol, pH7.3.

Isotype: IgG

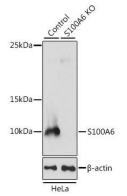
Purification:

Affinity purification

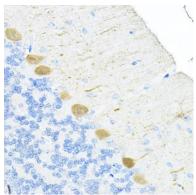
Product Images



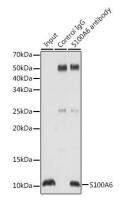
Western blot analysis of extracts of various cell lines, using S100A6 antibody (CAB4104) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Western blot analysis of extracts from normal (control) and S100A6 knockout (KO) HeLa cells, using S100A6 antibody (CAB4104) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 60s.



Immunohistochemistry of paraffin-embedded rat cerebellum using [KO Validated] S100A6 Rabbit pAb (CAB4104) at dilution of 1:100 (40x lens).



Immunoprecipitation analysis of 200ug extracts of U-251MG cells using 3ug S100A6 antibody (CAB4104). Western blot was performed from the immunoprecipitate using S100A6 antibody (CAB4104) at a dilition of 1:1000.