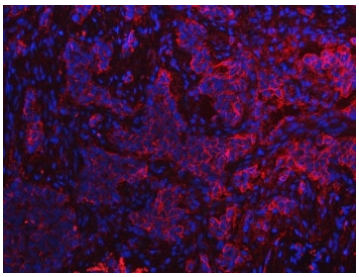
S100A10 Antibody (RQ4239)

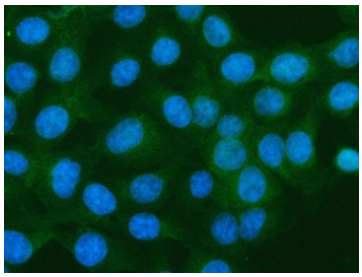
Catalog No.	Formulation	Size
RQ4239	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

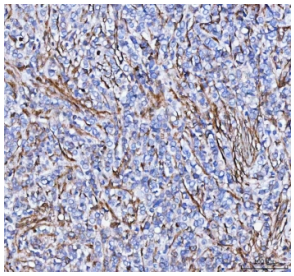
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P60903
Localization	Cytoplasmic, membrane
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence/Immunocytochemistry : 2-4ug/ml Flow Cytometry : 1-3ug/10^6 cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This S100A10 antibody is available for research use only.



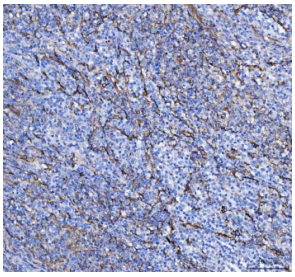
Immunofluorescent staining of FFPE human lung cancer tissue with S100A10 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



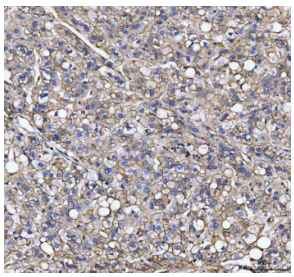
Immunofluorescent staining of FFPE human U-2 OS cells with S100A10 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



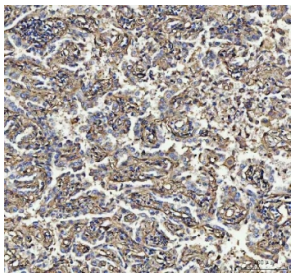
IHC staining of FFPE human breast cancer tissue with S100A10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



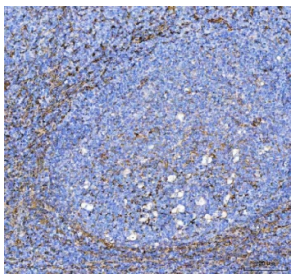
IHC staining of FFPE human intestinal diffuse large B-cell lymphoma tissue with S100A10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



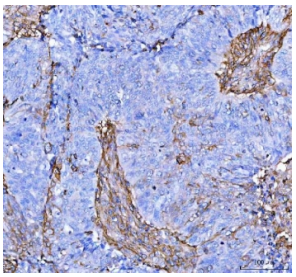
IHC staining of FFPE human liver cancer tissue with S100A10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



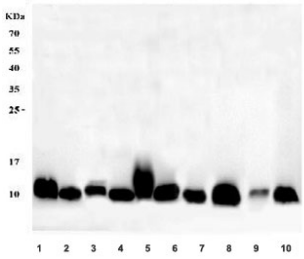
IHC staining of FFPE human lung adenocarcinoma tissue with S100A10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



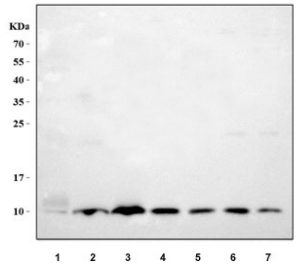
IHC staining of FFPE human tonsil tissue with S100A10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human ovarian serous adenocarcinoma tissue with S100A10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human A431, 2) human PC-3, 3) human pancreas, 4) human Caco-2, 5) human plasma 6) monkey lung, 7) rat lung, 8) rat PC-12, 9) mouse lung and 10) mouse Hepa 1-6 cell lysate with S100A10 antibody at 0.5ug/ml. Predicted molecular weight ~11 kDa.



Western blot testing of 1) human placenta, 2) human A431, 3) human HaCaT, 4) human U-87 MG, 5) monkey lung, 6) rat PC-12 and 7) mouse NIH 3T3 cell lysate with S100A10 antibody at 0.5ug/ml. Predicted molecular weight ~11 kDa.

Description

S100 calcium-binding protein A10 (S100A10), also known as p11, is a protein that is encoded by the S100A10 gene in humans and the S100a10 gene in other species. 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 exocytosis and endocytosis.

Application Notes

Optimal dilution of the S100A10 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids Q4-K94 was used as the immunogen for the S100A10 antibody.

Storage

After reconstitution, the S100A10 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.