Human S100A10 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF1698

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human S100A10 in direct ELISAs and Western blots. In direct ELISAs, approximately 60% cross-reactivity with recombinant mouse S100A10 and less than 2% cross-reactivity with recombinant human S100B is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human S100A10
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

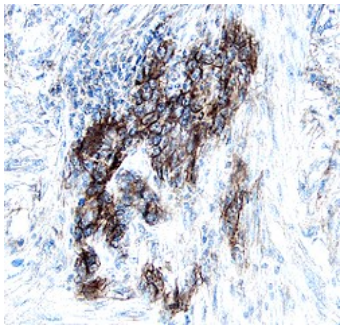
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human S100A10
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



S100A10 in Human Kidney Cancer Tissue. S100A10 was detected in immersion fixed paraffin-embedded sections of human kidney cancer tissue using 5 µg/mL Goat Anti-Human S100A10 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1698) overnight at 4 °C. Tissue was stained with the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

S100A10 is a member of the S100 family of EF hand calcium-binding proteins. It is primarily found in mast cells as heterotetrameric complexes (two annexin A2 subunits and two S100 A10 subunits) that are present intracellularly at the plasma membrane or on the extracellular cell surface. Extracellular S100A10 is a key plasminogen receptor that plays an important role in cellular plasmin production and cellular invasiveness.