

DESCRIPTION

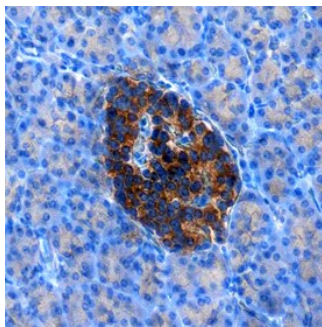
Species Reactivity	Human
Specificity	Detects human RFX6 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human RFX6 Lys324-Thr511 Accession # Q8HWS3
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry	
	<p>RFX6 in Human Pancreas. RFX6 was detected in immersion fixed paraffin-embedded sections of human pancreas using Sheep Anti-Human RFX6 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF7780) at 3 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Sheep HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS019) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm of islet cells. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p>

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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 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

RFX6 (regulatory factor X, member 6) is a 928 amino acid, ~102 kDa (calculated) member of the RFX family of transcription factors that are critical for development. RFX6 is expressed in the gut endoderm, later becoming restricted to developing and adult pancreatic islets. It is downstream of Neurogenin-3 and essential for differentiation of most islet cell types. Mutation in humans can produce autosomal recessive neonatal diabetes. Human RFX6 shares 96% and 95% amino acid sequence identity with mouse and rat RFX6, respectively.