

PACO20381

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## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IHC

**Recommended dilutions:**

ELISA:1:1000-1:2000, IHC:1:25-1:100

**Protein Background:**

Transcription factor that plays a pivotal role in hemopoietic and endothelial development, acting synergistically with Imo2 and downstream of clo. Specifies mesodermal precursors to a hemangioblast cell fate. Hemangioblasts are bipotential precursors of blood and endothelium, and in the absence of hemopoietic induction cues such as gata1, tal1/scl-Imo2-induced hemangioblasts differentiate into endothelial cells. Isoform alpha and isoform beta are redundant for the initiation of primitive hemopoiesis but have distinct roles in the regulation of primitive erythroid differentiation and definitive hemopoietic stem cell specification, most likely due to differences in expression levels. Specification of definitive hemopoietic stem cells requires isoform beta. DNA binding is required for erythroid maturation, but not for its other hemopoietic functions. Endothelial roles include development of the dorsal aorta, the site of definitive hemopoiesis in the embryo. Required for angiogenesis but not angioblast specification.

**Gene ID:**

S100A13

**Uniprot**

Q99584

**Synonyms:**

S100 calcium binding protein A13

**Immunogen:**

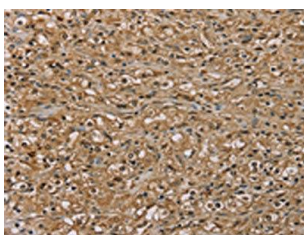
Synthetic peptide of human S100A13.

**Storage:**

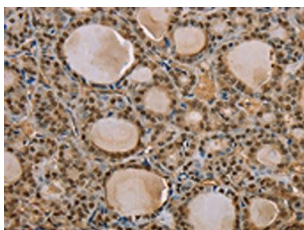
-20&deg; C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

## Product Images

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The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using PACO20381(S100A13 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: x—200).



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PACO20381(S100A13 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: x—200).