

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **SOX2 RABBIT PAB**

Cat.#: S222274

**Product Name:** Anti-SOX2 Rabbit Polyclonal Antibody

**Synonyms:** ANOP3; MCOPS3

UNIPROT ID: P48431 (Gene Accession - NP\_003097)

Background: This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of

transcription factors involved in the regulation of embryonic development and in the

determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2

overlapping transcript (SOX2OT).

Immunogen: Synthetic peptide of human SOX2

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 50-300; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

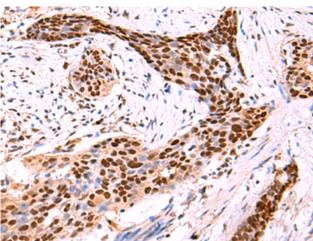
Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification Species Reactivity: Human, Mouse

Constituents: PBS (without Mg2+ and Cg2+), pH 7.4, 150 mM NgCl, 0.05% Sodium Azide and 40%

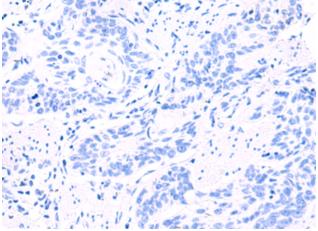
glycerol

Research Areas: Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 222274(SOX2 Antibody) at a dilution of 1/50(Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the synthetic peptide and then with 222274(Anti-SOX2 Antibody) at dilution 1/50.