

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **SOX2 RABBIT PAB**

**Cat.#:** S216795

Product Name: Anti-SOX2 Rabbit Polyclonal Antibody

**Synonyms:** ANOP3; MCOPS3

UNIPROT ID: P48431 (Gene Accession - BC013923)

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:** Fusion protein of human SOX2

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 2000-5000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

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

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

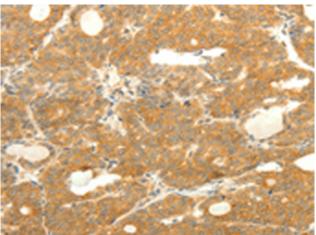
Research Areas: Epigenetics and Nuclear Signaling

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

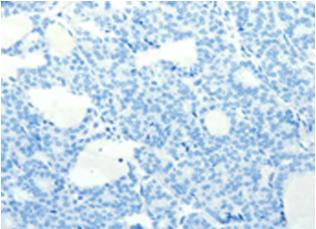


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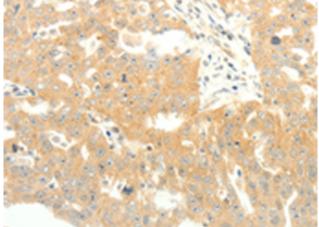
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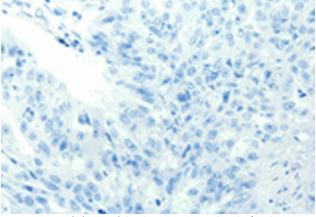
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 216795(SOX2 Antibody) at a dilution of 1/25(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 216795(Anti-SOX2 Antibody) at dilution 1/25.



The image on the left is immunohistochemistry of paraffinembedded Human ovarian cancer tissue using 216795(Anti-SOX2 Antibody) at a dilution of 1/25.



In comparision with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with fusion protein and then with D221248(Anti-SOX2 Antibody) at dilution 1/25.