

Product datasheet for **TA349896S**

DMRT3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500–2000 WB positive control: Human testis tissue IHC: 100–300 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DMRT3
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at –20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51 kDa
Gene Name:	doublesex and mab-3 related transcription factor 3
Database Link:	NP_067063 Entrez Gene 240590 Mouse Entrez Gene 293976 Rat Entrez Gene 58524 Human Q9NQL9

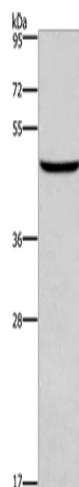


Background:

The DMRT (doublesex and mab-3 related transcription factor) genes encode a large family of transcription factors that are related to the Drosophila doublesex proteins. Expressed primarily in the gonads, DMRT proteins contain cysteine-rich DNA-binding motifs and are thought to play an important role in sexual development. DMRT3 (doublesex and mab-3 related transcription factor 3), also known as DMRTA3, is a 472 amino acid protein that contains one DM DNA-binding domain and belongs to the DMRT family. Localized to the nucleus, DMRT3 is expressed specifically in testis and is thought to regulate transcriptional events during early sexual development. The gene encoding DMRT3 maps to human chromosome 9, which houses over 900 genes and comprises nearly 4% of the human genome. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, and Familial dysautonomia, are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

Synonyms:

DMRTA3

Product images:

Gel: 8%SDS-PAGE

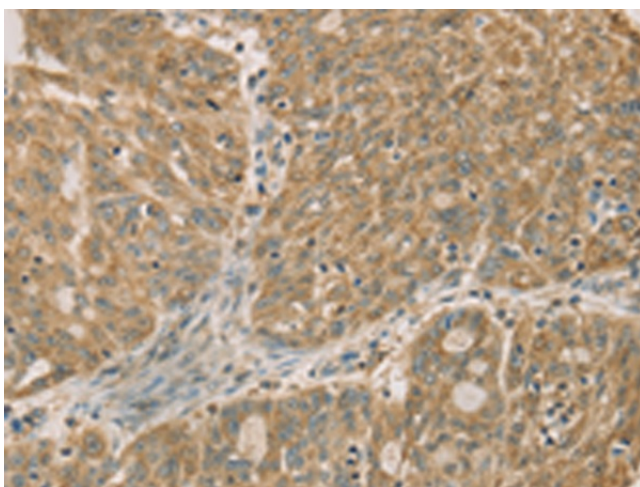
Lysate: 40 µg

Lane: Human testis tissue

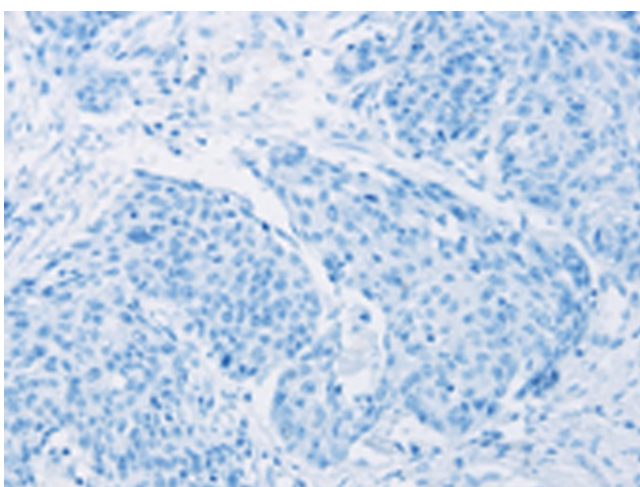
Primary antibody: [TA349896] (DMRT3 Antibody) at dilution 1/550

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

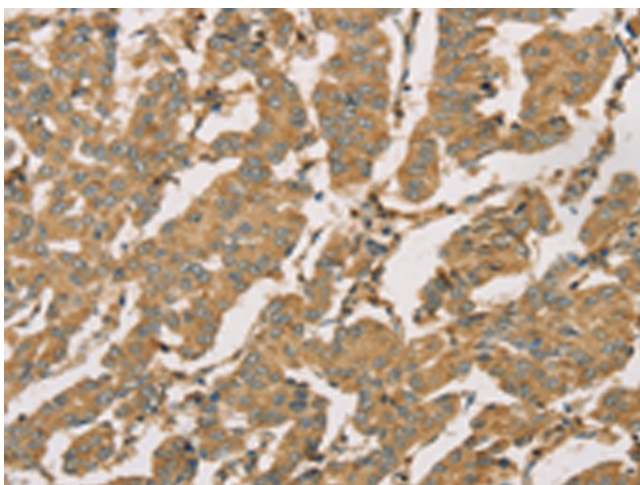
Exposure time: 20 seconds



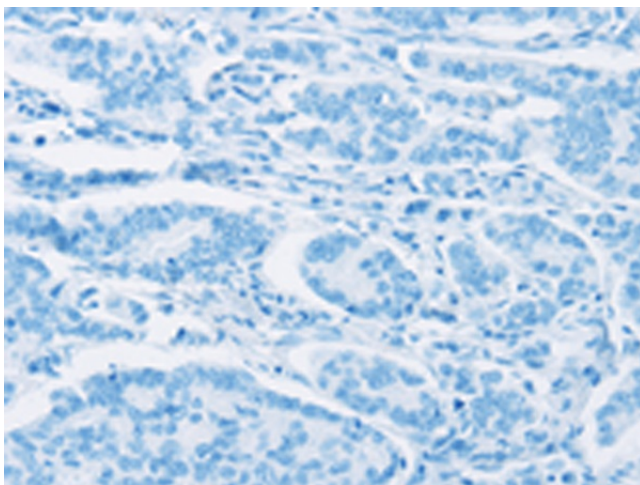
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA349896] (DMRT3 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA349896] (DMRT3 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA349896] (DMRT3 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA349896] (DMRT3 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: $\times 200$)