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Rev.: 2022-9-19

E2F4
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50279
Clone# BP6256

Predicted Molecular Wt: 44kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q16254

Background:

Transcription activator that binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F-4 binds with high affinity to RBL1 and RBL2. In some instances, can also bind RB protein.

E2F4 was considered a potential prognostic factor for HNSCC. Immunohistochemical staining showed that E2F4 was mainly localized in the cell nucleus; it was highly expressed in HNSCC tissues, with a significant difference noted from that in pericancerous mucosa tissues.

Subcellular location:

Nucleus

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide. This information is proprietary to Biolynx.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

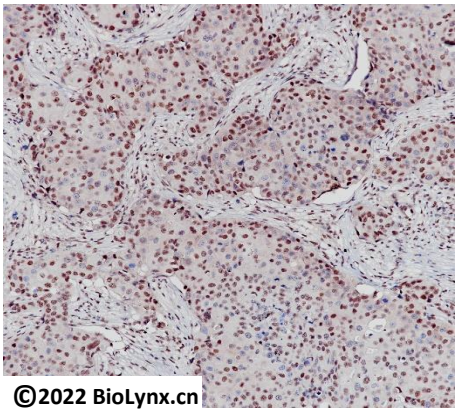
-25°C to -18°C

Shipment Instructions:

Shipped on blue ice. Upon delivery store at -25°C to -18 °C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast cancer labelling E2F4 with BP6256.

Background References:

1. I Molina-Privado1, et al. Leukemia (2012) 26, 2277–2285.
2. Li Qi, et al. Scientifc Reports(2022) 12:12132.

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.