

Rabbit Anti-E2F4 [EP252]: RM0289

Intended Use: For Research Use Only

Description: E2F4 is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. This protein binds to all three of the tumor suppressor proteins pRB, p107 and p130, but with higher affinity to the last two. In quiescent cells, E2F4 is primarily localized in the nucleus but translocate to cytoplasm when the retinoblastoma family members are phosphorylated in response to mitogen. E2F4 is constitutively expressed throughout the cell. Squamous cell carcinomas of the salivary gland show a high E2F4 cytoplasmic staining score, while most of the pleomorphic adenoma cells show nuclear reactivity of E2F4. Reduced expression of E2F4 has been reported in sporadic Burkitt lymphoma (sBL). E2F4 may play a role in Burkitt lymphoma tumorigenesis.

Specifications:

Clone: EP252
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Nucleus, cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and ≤0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
E2F4 Concentrated	RM0289	1 ml

IHC Procedure*:

Positive Control Tissue: Colon, colon cancer
Concentrated Dilution: 50-200
Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.