

Rabbit Anti-FOXO1 [EP290]: RM0369RTU7

Intended Use: For Research Use Only

Description: FOXO1 belongs to the winged helix/forkhead family of transcription factors that is characterized by a 100-amino acid monomeric DNA-binding domain called the FOX domain. In vitro and in vivo studies have shown that FOXO transcription factors control the regulation of many genes involved in fundamental cellular processes, including cell cycle regulation, cell death, modulation of inflammation, metabolism, protection from oxidative stress, and cell survival. FOXO1 is broadly expressed in different types of cells with high level of expression in lymphoid cells and non-Hodgkin's lymphomas. In contrast, in most of classical Hodgkin lymphoma (cHL), Reed-Sternberg cells were FOXO1 negative.

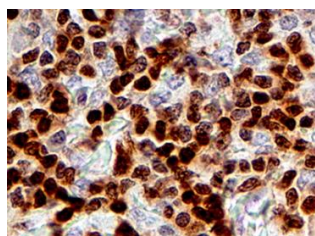
Specifications

Clone: EP290
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Localization: Nucleus
 Formulation: Antibody in PBS pH7.5, containing 0.2% BSA and <0.1% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC
 Package:

Description	Catalog No.	Size
FOXO1 Prediluted	RM0369RTU7	7 ml

IHC Procedure

Positive Control: Tonsil, non Hodgkin's lymphomas
 Concentrated Dilution: Prediluted
 Pretreatment: Citrate pH6.0 or 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.



FFPE human Hodgkin's lymphoma stained with anti-FOXO1 using DAB

References:

1. FOXO1/3 and PTEN Depletion in Granulosa Cells Promotes Ovarian Granulosa Cell Tumor Development. Liu Z, et al. Mol Endocrinol. Jul;29(7):1006-24, 2015.
2. Kinetics of nuclear-cytoplasmic translocation of Foxo1 and Foxo3A in adult skeletal muscle fibers. Schachter TN, et al. Am J Physiol Cell Physiol. 2012 Nov 1;303(9):C977-90, 2012.
3. Differential expression of FOXO1 and FOXO3a confers resistance to oxidative cell death upon endometrial decidualization. Kajihara T, et al. Mol Endocrinol. Oct;20(10):2444-55, 2006.