

Mouse Anti-PELP1/MNAR [1B11E4]: MC0431, MC0431RTU7

Intended Use: For Research Use Only

Description: Proline-, glutamic acid- and leucine-rich protein 1 (UniProt Q8IZL8; also known as Modulator of non-genomic activity of estrogen receptor, p160, Proline and glutamic acid rich nuclear protein, Transcription factor HMX3) is encoded by the PELP1 (Also known as HMX3, MNAR, P160) gene in human (Gene ID 27043). PELP1 functions as scaffolding protein and mediates protein-protein interactions in cellular processes involving both genomic and extranuclear signaling pathways. Multiple structural domains allow PELP1 to interact with various steroid receptors (SRs) to modulate their activity as either corepressor or coactivator. Dysregulation of PELP1 expression has been observed in breast, ovarian, endometrial, brain, and prostate cancers.

Specifications

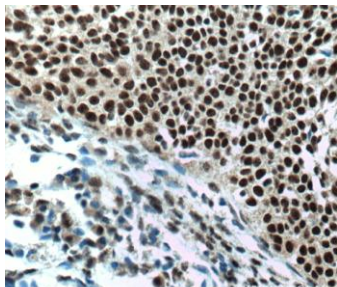
Clone:	1B11E4
Source:	Mouse
Isotype:	IgG2b
Reactivity:	Human
Immunogen:	PELP1 fusion protein Ag25729
Localization:	Cytoplasm, nucleus
Formulation:	Protein A purified antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA, IF, WB
Package:	

Description	Catalog No.	Size
PELP1/MNAR Concentrated	MC0431	1 ml
PELP1/MNAR Prediluted	MC0431RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Cervical, breast cancer tissue, HeLa cells, Jurkat cells, T-47D cells
Concentrated Dilution:	25-100
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker, or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	Overnight @ 4°C
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human cervical cancer stained with anti-PELP1 using DAB

References:

1. The Clinical Value of PELP1 for Breast Cancer: A Comparison with Multiple Cancers and Analysis in Breast Cancer Subtypes. Xingen Wang, et al. Cancer Res Treat. Apr; 51(2): 706-717, 2019.
2. Prognostic significance of proline, glutamic acid, leucine rich protein 1 (PELP1) in triple-negative breast cancer: a retrospective study on 129 cases. Yanzhi Zhang, et al. BMC Cancer. 15: 699, 2015.
3. PELP1: A review of PELP1 interactions, signaling, and biology. Brian J. Girard, et al. Mol Cell Endocrinol. Jan 25; 382(1), 2014.

Doc. 100-MC0431
Rev. A