

10-1057: Monoclonal Antibody to Mouse Noxa (Clone: ABM46B8)

Clonality :	Monoclonal
Clone Name :	ABM46B8
Application :	WB
Reactivity :	Human
Gene :	Pmaip1
Gene ID :	58801
Uniprot ID :	Q9JM54
Format :	Purified
Alternative Name :	Phorbol-12-myristate-13-acetate-induced protein 1
Isotype :	Rat IgG2b, kappa
Immunogen Information :	A full length recombinant mNOXA protein was used as the immunogen for this antibody.

Description

Noxa is a BH3-only pro-apoptotic protein that mediates apoptosis by specifically inhibiting the anti-apoptotic Bcl-2 family member Mcl-1. It consists of 54 amino acids with one BH3 domain. The gene for NOXA is a target of p53. In response to cellular stress Noxa is induced by p53 and mediates p53-induced apoptosis. But more recently, it has been shown that NOXA can also be induced independently of p53 by other transcription factors such as p73 and E2F1. Noxa is also found to be induced by hypoxia-inducible factor (HIF-1) and mediates HIF-1 induced hypoxic cell death. Noxa is commonly upregulated in melanomas, and is associated with melanoma development and progression. Increase in Noxa expression is driven by oncogenic activation of MEK/ERK signaling through the transcription factor CREB (cAMP responsive element binding protein).

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 2-4 µg/ml

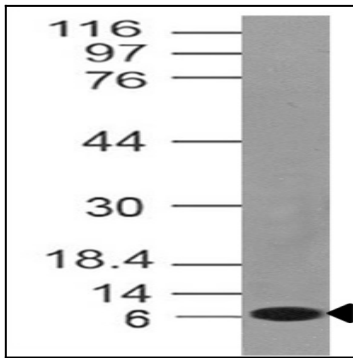


Figure-1: Western blot analysis of mNOXA. Anti-mNOXA antibody (Clone: ABM46B8) was tested at 1 $\mu\text{g/ml}$ on T98G lysate.