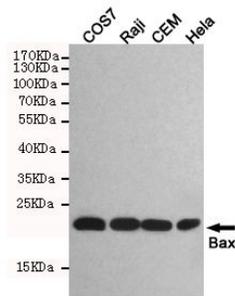


**BAX****Mouse monoclonal Antibody****#53345****Catalog Number:** 53345**Amount:** 100µg/100µl**Swiss-Prot No. :** Q07812**Gene name:** bax**Gene id:** 581**Clone Number:** 2B12-G6-H6**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human BAX protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of BAX and does not cross-react with related proteins**Reactivity:** Human, Monkey**Applications:** Predicted MW: 20kd WB: 1:1000

Western blot detection of Bax in COS7, Raji, CEM and HeLa cell lysates using Bax mouse mAb (1:1000 diluted). Predicted band size: 20KDa. Observed band size: 20KDa.

Background:

The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene.