

## Mouse Monoclonal Antibody to NBN

Catalogue Number	sAP-0902
Target Molecule	<b>Name: NBN</b> <b>Aliases:</b> ATV; NBS; P95; NBS1; AT-V1; AT-V2 <b>MW: 85kDa</b> <b>Entrez Gene ID: 4683</b>
Description	Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessive chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. The encoded protein is a member of the MRE11/RAD50 double-strand break repair complex which consists of 5 proteins. This gene product is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation.
Immunogen	Purified recombinant fragment of human NBN (AA: 467-615) expressed in E. Coli.
Reactive Species	Human; Rat;
Clone	MM7E4A2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Fam Cancer. 2012 Dec;11(4):595-600. ; 2. Mol Carcinog. 2011 Sep;50(9):689-96. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**