



Anti-NOXA1 monoclonal antibody (DCABH-12601)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	NADPH oxidases (NOXs) catalyze the transfer of electrons from NADPH to molecular oxygen to generate reactive oxygen species (ROS). The NOX activator NOXA1 can stimulate both NOX1 (MIM 300225) and NOX2 (CYBB; MIM 300481), but it appears to be more effective in activating NOX1 (Opitz et al., 2007 [PubMed 17189823]).
Immunogen	A synthetic peptide of human NOXA1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NOXA1 NADPH oxidase activator 1 [Homo sapiens]
Official Symbol	NOXA1

Synonyms	NOXA1; NADPH oxidase activator 1; SDCCAG31, serologically defined colon cancer antigen 31; FLJ25475; NY CO 31; p51-nox; Nox activator 1; antigen NY-CO-31; NCF2-like protein; p67phox-like factor; inhibitory NADPH oxidase activator 1; serologically defined colon cancer antigen 31; p51NOX; NY-CO-31; SDCCAG31; MGC131800;
Entrez Gene ID	10811
Protein Refseq	NP_001242996
UniProt ID	Q86UR1
Chromosome Location	9
Pathway	RAC1 signaling pathway, organism-specific biosystem;
Function	Rac GTPase binding; SH3 domain binding; enzyme binding; protein binding; superoxide-generating NADPH oxidase activator activity; superoxide-generating NADPH oxidase activator activity;