

Mouse Monoclonal Antibody to

Scramblase-1 (N-terminus)

clone 1E9

Order No.: 0161-100/Scram1-1E9
Size (µg) 100
Lot No.: 0161S



02/270207F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human	WB	35 kDa	HepG2	N-terminus	peptide conjugated to hemocyanin

Background and Specificity:

Scramblase-1 is a calcium-binding protein that can be induced by interferon and growth factors (e.g. epidermal growth factor EGF). Depending on its palmitoylation state, scramblase-1 either inserts into the plasma membrane or binds DNA in the nucleus. Scramblase-1 is a substrate for src kinases.

Mab Scram1-1E9 specifically recognizes the N-terminus of scramblase-1 at 35 kDa. The antibody is suitable for Western blot applications.

Related Products

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

Formulation: lyophilized from 1 ml PBS / 0.09 % Na-azide / PEG and Sucrose.

Reconstitution: Reconstitute with 1 ml H₂O (15 min, RT).

Stability: For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

Avoid repeated freeze / thaw cycles.

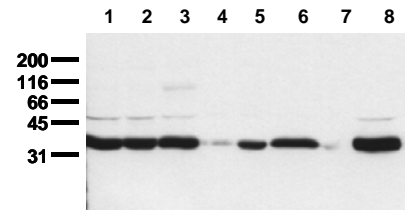
Positive Control: #0811: Cell lysate from untreated HepG2 cells

Immunoblotting: 1 µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation: ND

Immunocytochemistry: ND

ELISA: ND



Detection of endogenous scramblase 1

Whole cell lysates of serum starved tumor cells were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab Scram1-1E9 (0.5 µg/ml) for 1h at RT and developed by ECL (exp. time: 30 sec).

lane 1: HeLa; lane 2: HepG2; lane 3: HEK-293 ; lane 4: SY5Y; lane 5: Jurkat; lane 6: U937; lane 7: K562; lane 8: THP

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