

## Mouse Monoclonal Antibody to

# Scramblase-1 (N-terminus)

## clone 1E9

**Order No.:** 0161-100/Scram1-1E9

**Size (µg):** 100

**Lot No.:** 0161S



[www.nanotools.de](http://www.nanotools.de)

**orders & support:**

email: [info@nanotools.de](mailto:info@nanotools.de)

phone: +49-7641-455 670

fax: +49-7641-455 671

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 H<sub>2</sub>O (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.**

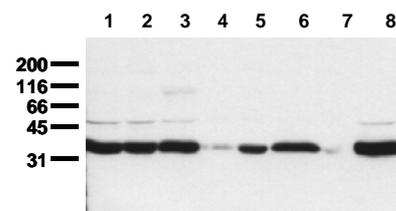
**Positive Control:** #0811: Cell lysate from untreated HepG2 cells

**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

**All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.**