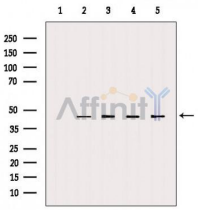
Affinity Biosciences
website:www.affbiotech.com
order:order@affbiotech.com

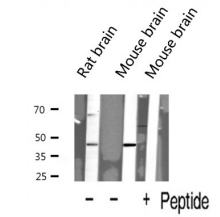
ESA Ab

Cat.#: AF5207	Concn.: 1mg/ml	Mol.Wt.: 41 kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

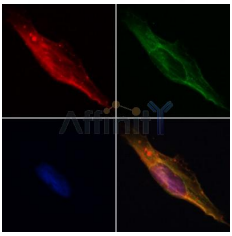
Application:	WB 1:500-1:2000, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	ESA Ab detects endogenous levels of total ESA.
Immunogen:	A synthesized peptide derived from human ESA.
Uniprot:	Q14254
Description:	May act as a scaffolding protein within caveolar membranes, functionally participating in formation of caveolae or caveolae-like vesicles. May be involved in epidermal cell adhesion and epidermal structure and function.
Subcellular Location:	Cell membrane. Membrane > caveola. Endosome. Membrane-associated protein of caveolae.
Tissue Specificity:	In skin, expressed in epidermis and epidermal appendages but not in dermis. Expressed in all layers of the epidermis except the basal layer. In hair follicles, expressed in the suprabasal layer but not the basal layer. Also expressed in melanoma and carcinoma cell lines, fibroblasts and foreskin melanocytes.
Similarity:	Belongs to the band 7/mec-2 family. Flotillin subfamily.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts from various samples, using ESA Ab.
Lane 1: Mouse brain treated with blocking peptide;
Lane 2: Mouse brain;
Lane 3: 293;
Lane 4: Mouse muscle;
Lane 5: HUVEC.



Western blot analysis of ESA expression in various lysates



AF5207 staining Hela by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF5207 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.