

EMT Research Antibody Assembly kit (E-Cadherin,N-Cadherin,Vimentin,Occludin,ZO-1)

EMT Research Antibody Assembly kit (E-Cadherin,N-Cadherin,Vimentin,Occludin,ZO-1)
Catalog # AP94100

Product Information

Application	WB
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	For research use only. Not intended for diagnostic or therapeutic use.
Background Descriptions	Epithelial-mesenchymal transition (EMT) is a biological process that allows epithelial cell to assume mesenchymal phenotype. EMT and its reverse process, mesenchymal-epithelial transition (MET), are originally defined in the context of developmental stages and re-engaged in adults during wound healing, tissue regeneration, organ fibrosis, and cancer progression. Epithelial cells normally interacts with basement membrane via its basal surface. During EMT, they lose their cell polarity and cell-cell adhesion, and gain mesenchymal cell phenotype, including enhanced migratory capacity, invasiveness, elevated resistance to apoptosis, stem-like features, and increased production of ECM components. Accordingly, there is reprogrammed gene expression with EMT. Especially, some cytoskeleton proteins (such as cadherin family members), tight-junction proteins (such as Occludin and ZO-1) and intermediate filament of mesenchymal origin (such as Vimentin) undergo significant changes and serve as best EMT markers to evaluate EMT. EMT Research Antibody Assembly kit is one economical package of selected antibodies for most representative EMT markers, including E-Cadherin, N-Cadherin, Vimentin, Occludin, and ZO-1. These antibodies have been tested in a variety of applications and species. For specific application information of different antibodies, please refer to each individual antibody datasheet. EMT Research Antibody Assembly kit E cadherin Recombinant Rabbit mAb(bsm-60814R)N Cadherin Recombinant Rabbit mAb(bsm-52389R)Vimentin Rabbit pAb(bs-8533R)Occludin Recombinant Rabbit mAb(bsm-61062R)ZO-1 Mouse mAb(bsm-41327M)

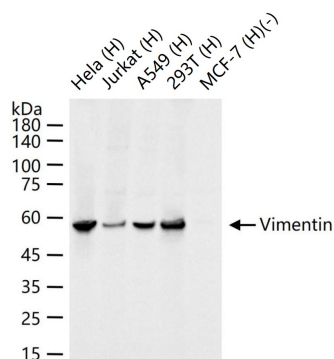
Additional Information

Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

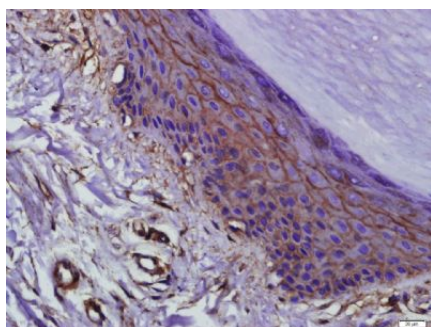
Background

For research use only. Not intended for diagnostic or therapeutic use.

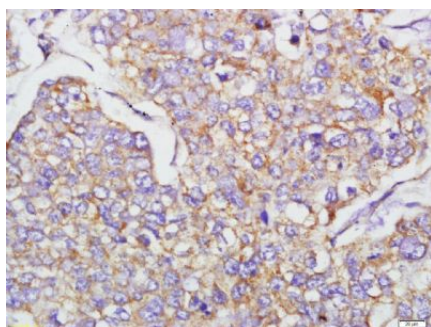
Images



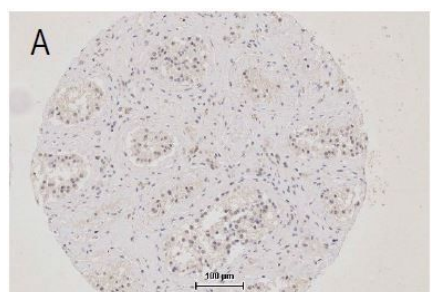
25 ug total protein per lane of various lysates (see on figure) probed with Vimentin polyclonal antibody, unconjugated (AP94100) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Primary: Anti-Occludin (bs-10011R)
Paraformaldehyde-fixed, paraffin embedded (Normal skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Occludin) Polyclonal Antibody, Unconjugated (bs-10011R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

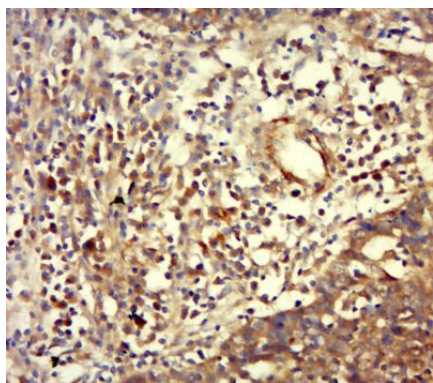


Primary: Anti-N-cadherin (bs-1172R) Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-N-cadherin Polyclonal Antibody, Unconjugated (bs-1172R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Primary: Anti- ZO-1 (bs-1329R) Independently Validated Antibody, image provided by Science Direct, badge number 029577: Formalin-fixed and paraffin embedded human testis labeled with Anti-ZO-1 Polyclonal Antibody, Unconjugated (bs-1329R) at 1:250 followed by conjugation to the secondary antibody.

Primary: Anti- Vimentin (bs-0756R)
Paraformaldehyde-fixed, paraffin embedded (human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min;



Antibody incubation with (Vimentin) Polyclonal Antibody, Unconjugated (bs-0756R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.