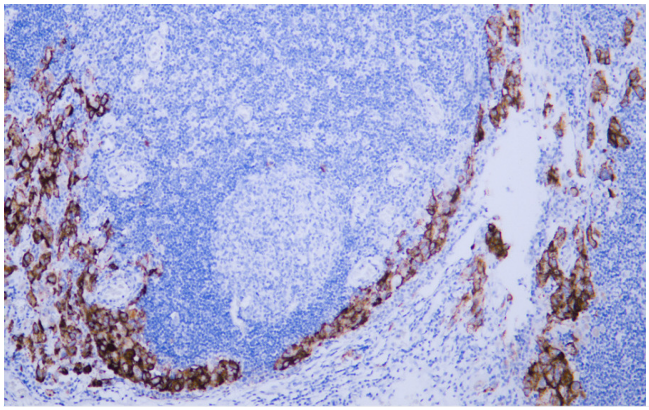
PMEL (ABT255) Mouse mAb

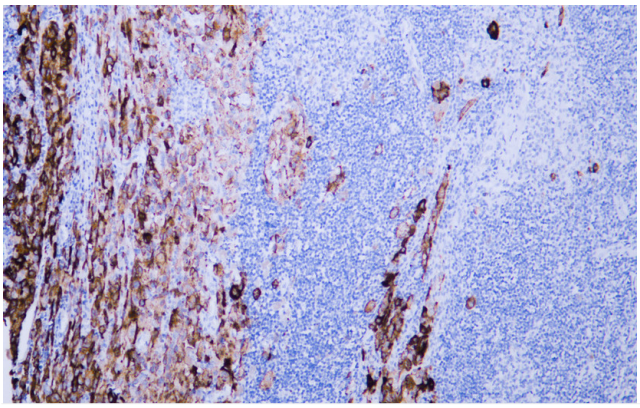
Catalog No	BYab-31338
Isotype	IgG
Reactivity	Human; Predict react with Mouse, Rat
Applications	IHC;WB;
Gene Name	PMEL D12S53E PMEL17 SILV
Protein Name	95 kDa melanocyte specific secreted glycoprotein;95 kDa melanocyte-specific secreted glycoprotein;D12S53E;gp100;M-beta;ME20;ME20 M/ME20 S;ME20-M;ME20-S;ME20M;ME20M/ME20S;ME20S;Melanocyte lineage speci
Immunogen	Synthesized peptide derived from human PMEL
Specificity	The antibody can specifically recognize human PMEL protein.
Formulation	PBS, pH7.2, 0.03% Porcolin 300, containing stabilizing protein
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:200-400, WB 1:200-1000,
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	95 kDa melanocyte specific secreted glycoprotein;95 kDa melanocyte-specific secreted glycoprotein;D12S53E;gp100;M-beta;ME20;ME20 M/ME20 S;ME20-M;ME20-S;ME20M;ME20M/ME20S;ME20S;Melanocyte lineage specific antigen GP100;Melanocyte protein mel 17;Melanocyte protein Pmel 17;Melanocyte protein Pmel 17 precursor;Melanocytes lineage-specific antigen GP100;Melanoma associated ME20 antigen;Melanoma gp100;Melanoma-associated ME20 antigen;Melanosomal matrix protein 17;Melanosomal matrix protein17;P1;p100;p26;PMEL 17;PMEL;PMEL_HUMAN;PMEL17;Premelanosome protein;Secreted melanoma-associated ME20 antigen;SI;SIL;SILV;Silver (mouse homolog) like;Silver homolog;Silver locus protein homolog;Silver, mouse, homolog of
Observed Band	
Cell Pathway	Cytoplasmic

Tissue Specificity	Skin/ Melanoma
Function	function:Could be a melanogenic enzyme. Could represent an oncofetal self-antigen that is normally expressed at low levels in quiescent adult melanocytes but overexpressed by proliferating neonatal melanocytes and during tumor growth. Release of the soluble form, ME20-S, could protect tumor cells from antibody mediated immunity.,similarity:Belongs to the Pmel-17/NMB family.,similarity:Contains 1 PKD domain.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subcellular location:Probably product of proteolytic cleavage.,tissue specificity:Preferentially expressed in melanomas. Some expression was found in dysplastic nevi. Not found in normal tissues nor in carcinomas.,
Background	This gene encodes a melanocyte-specific type I transmembrane glycoprotein. The encoded protein is enriched in melanosomes, which are the melanin-producing organelles in melanocytes, and plays an essential role in the structural organization of premelanosomes. This protein is involved in generating internal matrix fibers that define the transition from Stage I to Stage II melanosomes. This protein undergoes a complex pattern of prosttranslational processing and modification that is essential to the proper functioning of the protein. A secreted form of this protein that is released by proteolytic ectodomain shedding may be used as a melanoma-specific serum marker. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

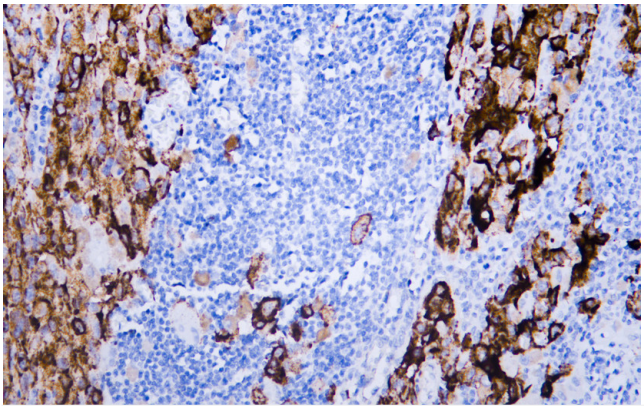
Products Images



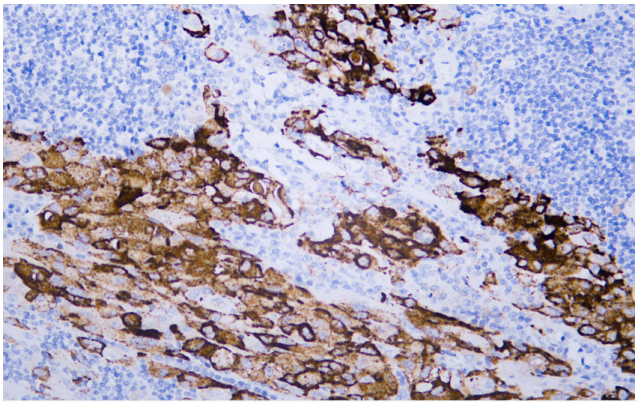
Human malignant mesothelioma tissue was stained with Anti-PMEL (ABT255) Antibody



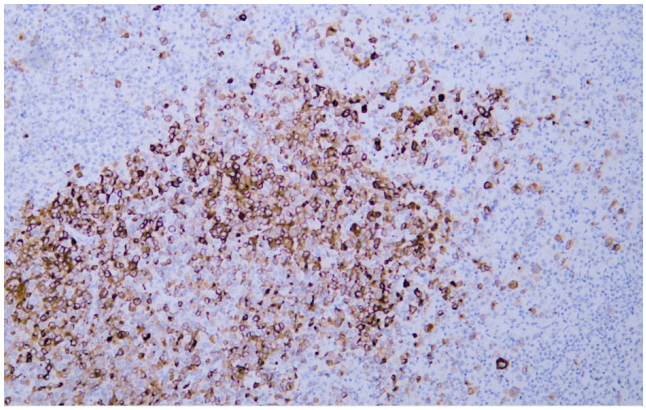
Human malignant mesothelioma tissue was stained with Anti-PMEL (ABT255) Antibody



Human malignant mesothelioma tissue was stained with Anti-PMEL (ABT255) Antibody



Human malignant mesothelioma tissue was stained with Anti-PMEL (ABT255) Antibody



Human malignant mesothelioma tissue was stained with Anti-PMEL (ABT255) Antibody