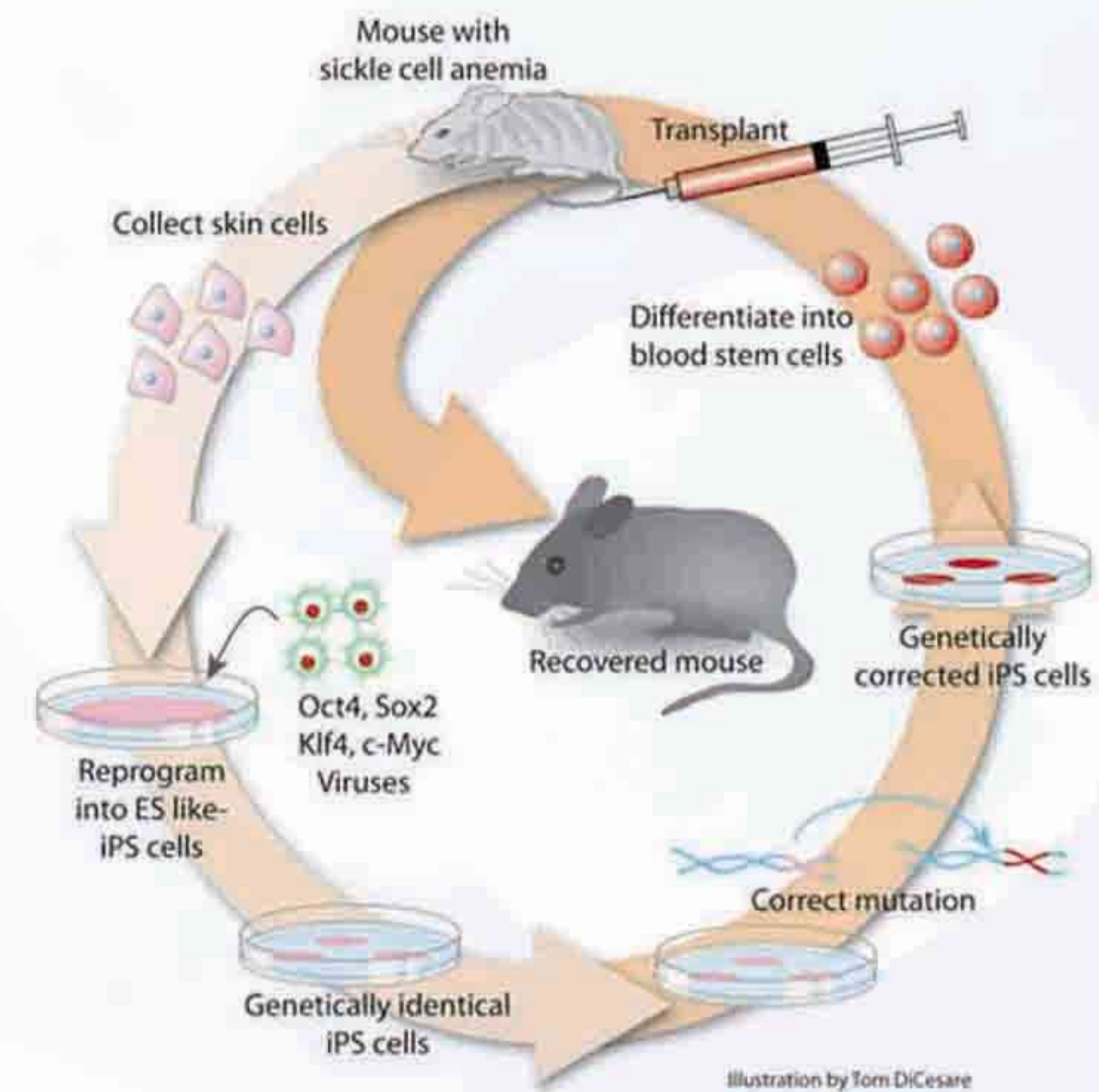


Stem Cell Research

Stem cells (SC) are self-renewing and the pluripotent cells can differentiate into various cell types. The stem cells can be divided into embryonic stem cell (ES) and somatic stem cell according to the developmental stages. Embryonic stem cells are divided into embryonic stem cell, (ES) and embryonic germ cells (EG). Somatic stem cell exists in the body of a variety of differentiated tissue or organ, which are hematopoietic stem cells, mesenchymal stem cell (MSC), neural stem cells (NSC), etc.. The stem cells are divided into three categories based on development potential : totipotent stem cell (TSC), pluripotent stem cell and unipotent stem cell. Recent years, a new induced pluripotent stem cells technology appeared, which bring four kinds of Oct3 / 4, Sox2, c-Myc, and Klf4 transcription factor gene to genetic programming of cells and make the re-programming, and induct its occurrence transformed into cells similar to embryonic stem cell state. Due to multi-energy nature and infinite self-renewal capacity for stem cell , which can be used to treat body injury, tissue and immune deficiency diseases and genetic diseases, and has broad prospects for development.

SAB provides different development stages of embryonic stem cells markers, rich Cd molecule antibody and stem cell signal transduction pathways antibody, such as somatic stem cell markers include:hematopoietic stem cells, mesenchymal stem cell(MSC), neural stem cells (NSC) used in stem cell research.



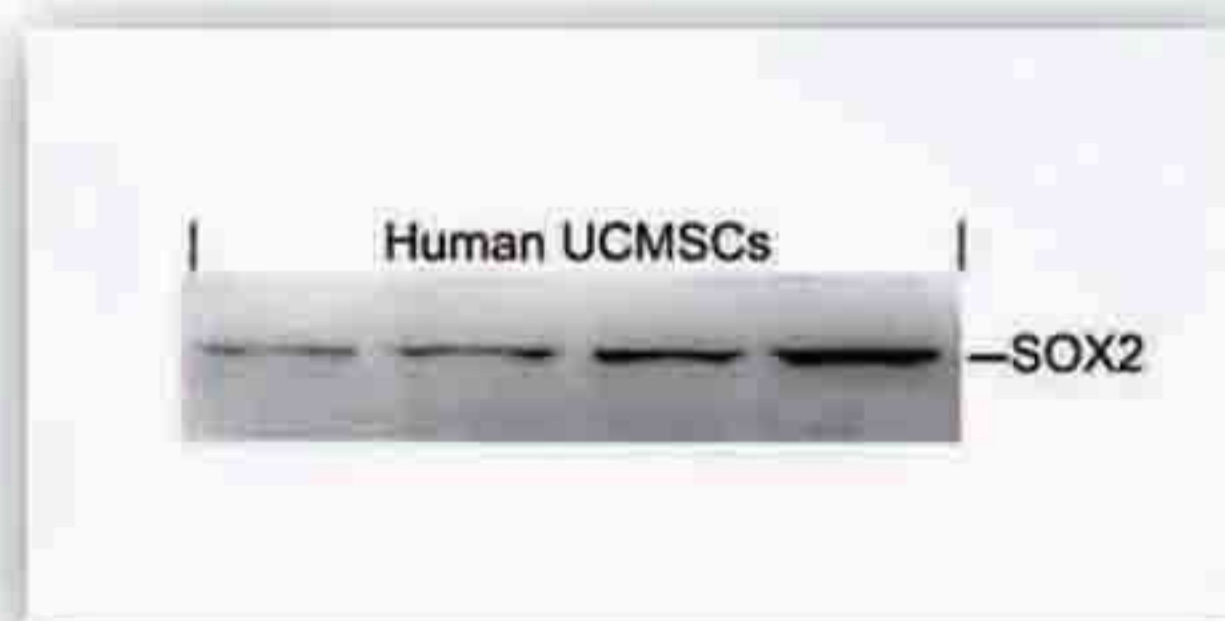
Embryonic Stem Cells

Embryonic Stem Cell Markers

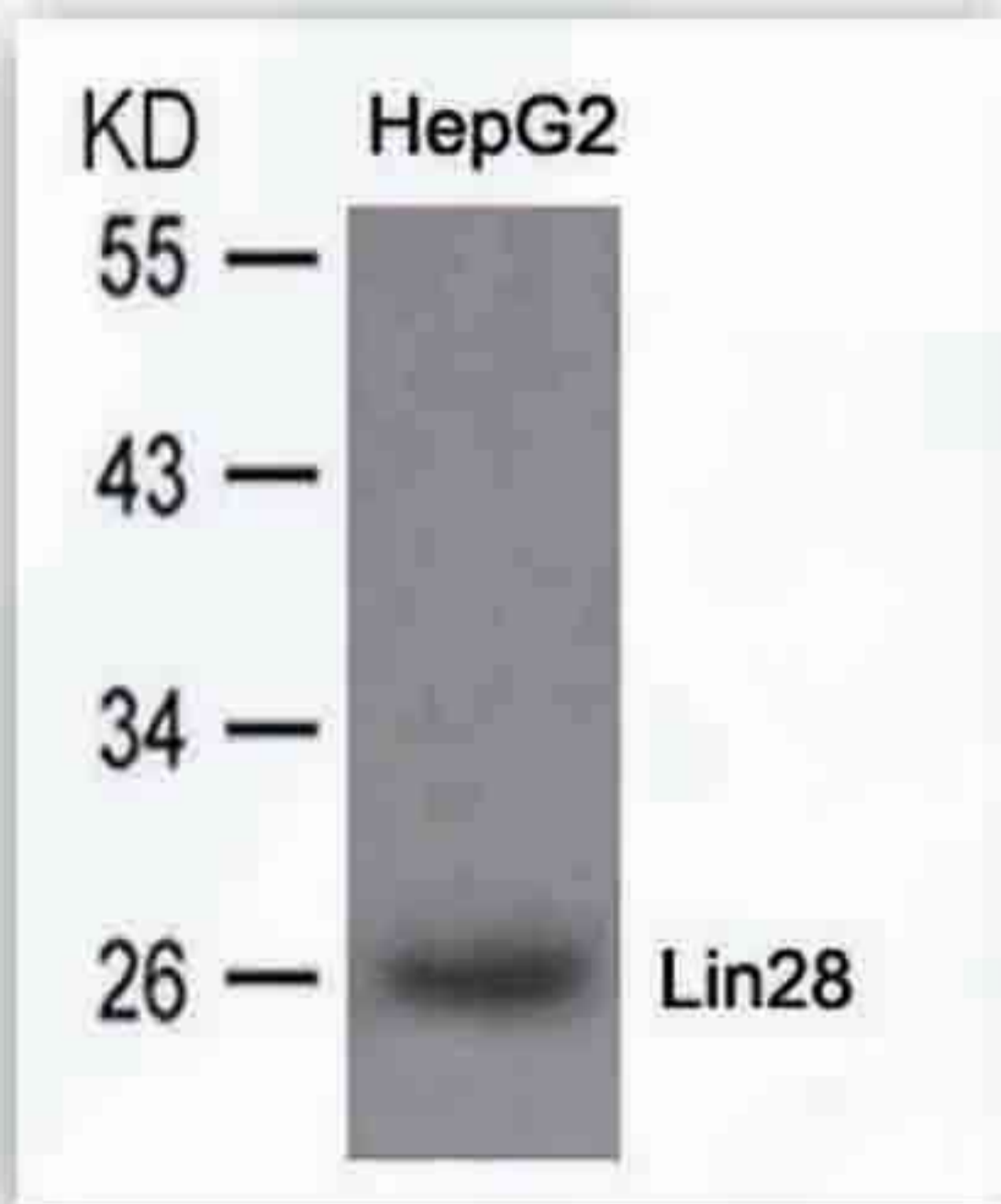
Cat. No.	Product name	Reactivity	Applications
21045	STAT3 (Ab-705) Antibody	Human Mouse Rat	WB IHC IF
21046	STAT3 (Ab-727) Antibody	Human Mouse Rat	WB IHC
21322	Smad2 (Ab-467) Antibody	Human Mouse Rat	WB IF
21323	Smad2 (Ab-220) Antibody	Human Mouse Rat	WB IHC
21324	Smad3 (Ab-208) Antibody	Human Mouse Rat	IHC IF
21325	Smad3 (Ab-425) Antibody	Human Mouse Rat	IHC IF
21423	Nanog Antibody	Human Mouse	WB
21424	OCT-4 Antibody	Human	WB
21425	SOX2 Antibody	Human Mouse	WB
21426	Lin28 Antibody	Human Mouse Rat	WB
21470	c-Myc Antibody	Human Mouse Rat	WB
21034	Myc (Ab-58) Antibody	Human Mouse Rat	WB IHC
21035	Myc (Ab-358) Antibody	Human Mouse Rat	WB IHC
21036	Myc (Ab-373) Antibody	Human Mouse Rat	WB
21473	E-Cadherin(CD324) Antibody	Human Mouse Rat	WB
21614	Integrin β 1 (CD29) Antibody	Human Mouse Rat	WB
21495	Fibrillarin Antibody	Human Mouse Rat	WB



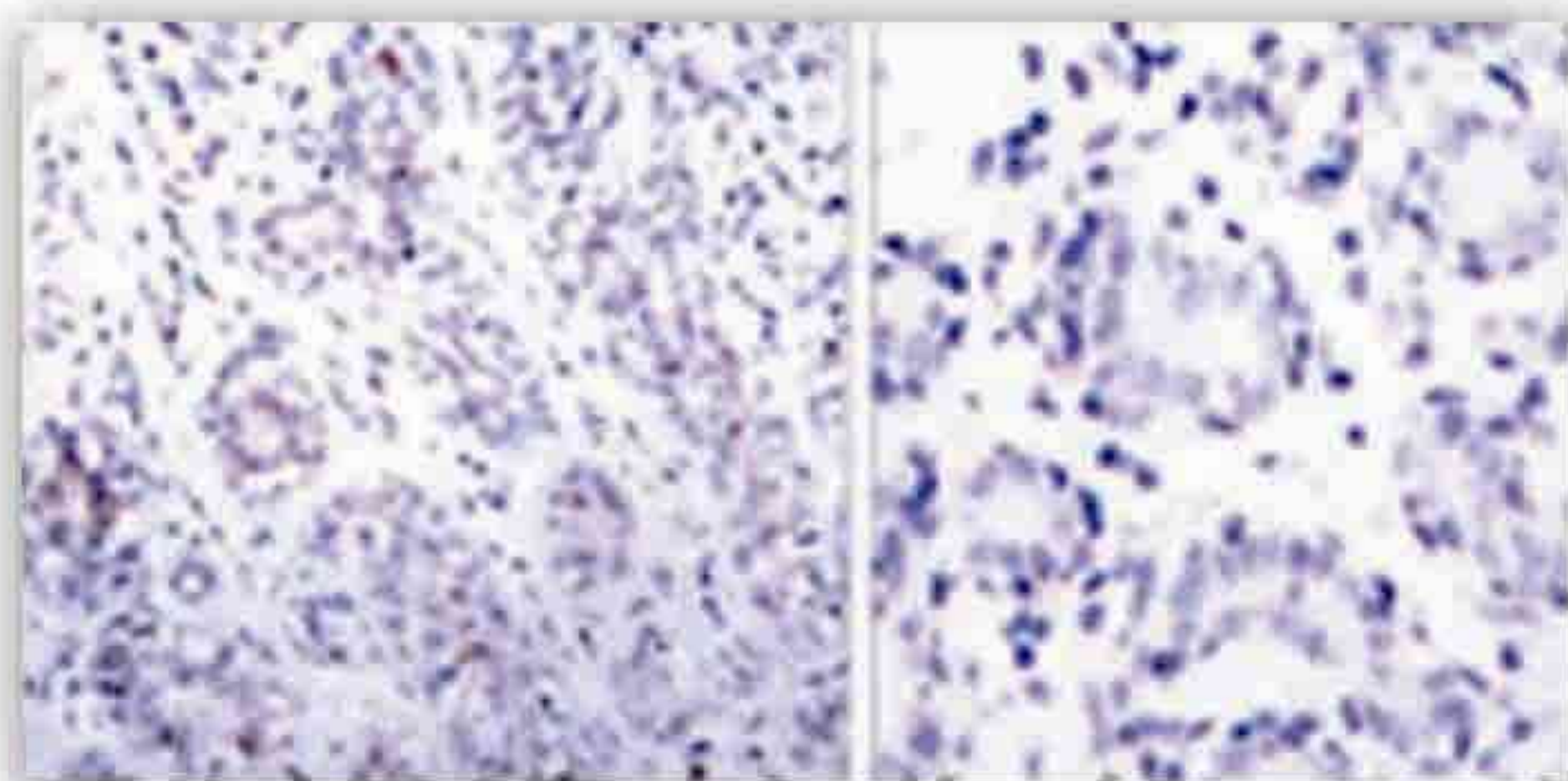
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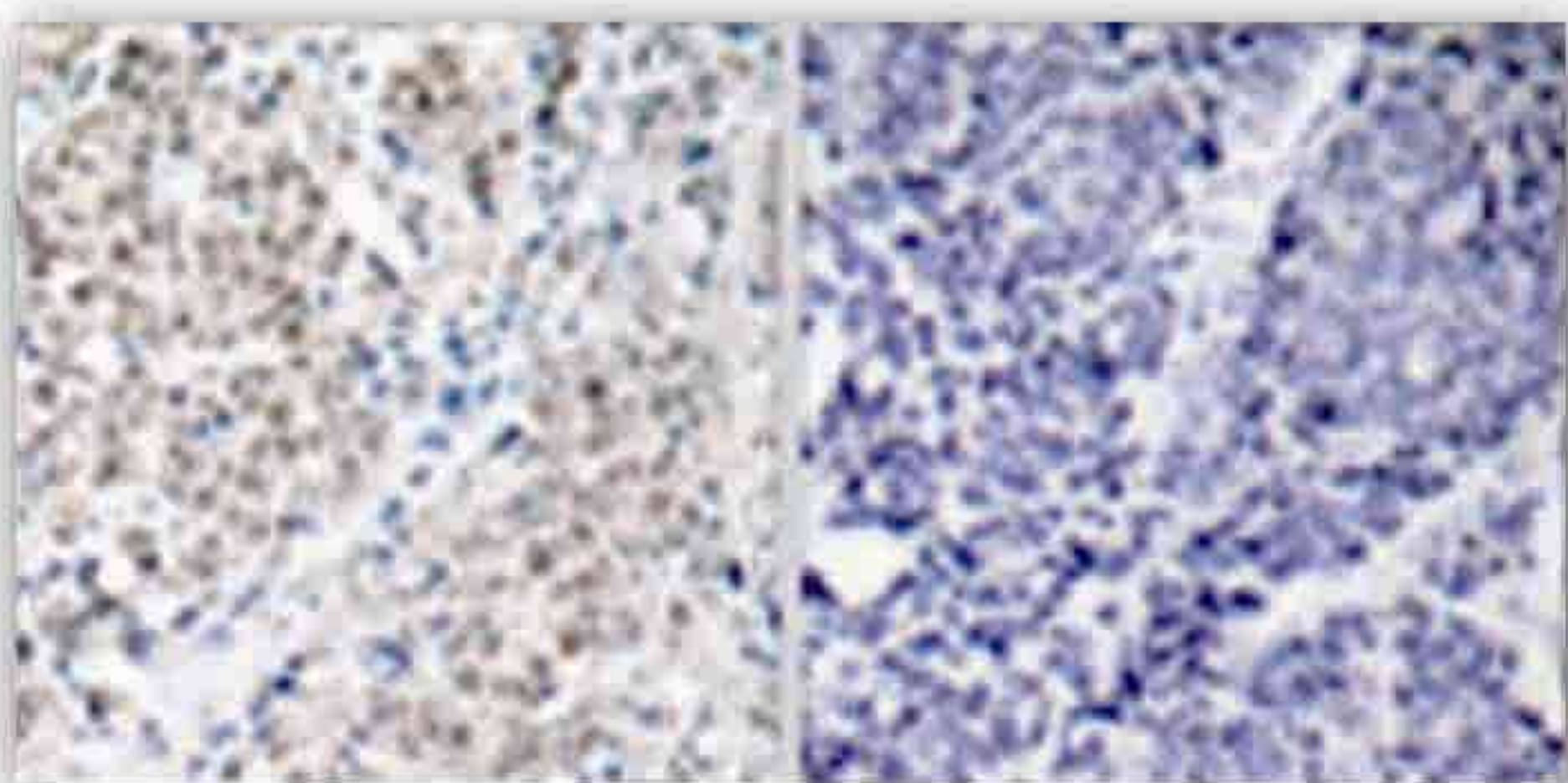
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